**Lawrence Berkeley National Laboratory**
**Environmental Services Group**
**Environmental Restoration Program**

# Semiannual Progress Report and Annual Status Summary

**(April 1 to September 30, 2012)**

February 2013

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# SEMIANNUAL PROGRESS REPORT
# AND ANNUAL STATUS SUMMARY
# THIRD AND FOURTH QUARTERS FISCAL YEAR 2012
**(April 1 to September 30, 2012)**

for the
Lawrence Berkeley National Laboratory
Hazardous Waste Facility Permit

Environment/Health/Safety/Security Division
Lawrence Berkeley National Laboratory
Berkeley CA 94720

February 2013

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# ENVIRONMENTAL RESTORATION PROGRAM

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## AND ANNUAL STATUS SUMMARY
## THIRD AND FOURTH QUARTERS FISCAL YEAR 2012
**(April 1 to September 30, 2012)**

for the
Lawrence Berkeley National Laboratory
Hazardous Waste Facility Permit

February 2013

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# LIST OF ABBREVIATIONS

| | |
|---|---|
| BC | BC Laboratories |
| bgs | below ground surface |
| Cal-EPA | California Environmental Protection Agency |
| CAP | Corrective Action Program |
| C&T | Curtis & Tompkins, Ltd. |
| CDPH | California Department of Public Health |
| CMI | Corrective Measures Implementation |
| CMS | Corrective Measures Study |
| COCs | Chemicals of Concern |
| DCA | Dichloroethane |
| DCE | Dichloroethene |
| DO | Dissolved Oxygen |
| DOE | U.S. Department of Energy |
| DTSC | Cal-EPA Department of Toxic Substances Control |
| EBMUD | East Bay Municipal Utility District |
| EHSS | Environment/Health/Safety/Security Division |
| EML | LBNL Environmental Measurement Laboratory |
| EPA | U. S. Environmental Protection Agency |
| ERP | Environmental Restoration Program |
| ESG | Environmental Services Group |
| FY | Fiscal Year (October 1 to September 30) |
| GAC | Granular Activated Carbon |
| HQ | Hazard Quotient |
| HRC | Hydrogen Release Compounds® |
| HWHF | Hazardous Waste Handling Facility |
| ICMs | Interim Corrective Measures |
| ILCR | Incremental Lifetime Cancer Risk |
| LBNL | Lawrence Berkeley National Laboratory |
| MCL | Maximum Contaminant Level |
| MCS | Media Cleanup Standard |
| MDA | Minimum Detectable Activity |
| mg/kg | milligrams per kilogram |
| MNA | Monitored Natural Attenuation |
| µg/L | micrograms per liter ($10^{-6}$ grams per liter) |
| NA | Not Analyzed |
| ND | Not Detected |
| NTLF | National Tritium Labeling Facility |
| PCBs | Polychlorinated Biphenyls |
| PCE | Tetrachloroethene (Perchloroethene) |
| pCi/L | picocuries per liter ($10^{-12}$ curies per liter) |
| QA | Quality Assurance |
| QC | Quality Control |
| RCRA | Resource Conservation and Recovery Act |

| | |
|---|---|
| RFA | RCRA Facility Assessment |
| RFI | RCRA Facility Investigation |
| SVE | Soil Vapor Extraction |
| SWRCB | State Water Resources Control Board |
| TCA | Trichloroethane |
| TCE | Trichloroethene |
| TPH | Total Petroleum Hydrocarbons |
| TPH-D | Total Petroleum Hydrocarbons-diesel range |
| TPH-G | Total Petroleum Hydrocarbons-gasoline range |
| TPH-K | Total Petroleum Hydrocarbons–kerosene range |
| TRBMCS | Target Risk-Based Media Cleanup Standard |
| UC | University of California |
| UST | Underground Storage Tank |
| VFA | Volatile Fatty Acid |
| VOCs | Volatile Organic Compounds |
| Water Board | Regional Water Quality Control Board |

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# EXECUTIVE SUMMARY

This semiannual progress report and annual status summary describes the Resource Conservation and Recovery Act (RCRA) Corrective Action Program (CAP) activities conducted by Lawrence Berkeley National Laboratory (LBNL) during the third and fourth quarters of fiscal year 2012 (FY12) (April 1 through September 30, 2012), the current reporting period. These activities consist primarily of continued operation of the corrective measures approved by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) to clean up contaminated groundwater and monitoring groundwater quality to assess progress towards achieving the required groundwater cleanup levels. This annual report also discusses long-term concentration trends for groundwater contaminants. The groundwater monitoring data indicate that the corrective measures continue to be effective in reducing concentrations of contaminants in the groundwater, groundwater plumes are stable or attenuating, and contaminants are not migrating offsite. In addition to discussing the RCRA CAP required activities, this report describes the results of environmental investigations conducted in compliance with LBNL's standard practice of evaluating potential impacts to human health and the environment at demolition and construction sites.

LBNL is currently in the Corrective Measures Implementation (CMI) phase of the CAP, which consists of the design, construction, operation, maintenance, and monitoring of the corrective measures approved by the DTSC. The corrective measures required for soil have been completed. The corrective measures required for groundwater have been implemented and are currently in the operation, maintenance, and monitoring stage. The groundwater cleanup measures consist of *in situ* soil flushing and groundwater capture, subsurface injection of Hydrogen Release Compound® (HRC), Soil Vapor Extraction (SVE), and Monitored Natural Attenuation (MNA). A listing of the measures is provided in the following table.

# Summary of DTSC-Approved Corrective Measures for Groundwater

| Groundwater Unit | Ongoing Corrective Measure |
|---|---|
| Building 71B Groundwater Solvent Plume | • *In situ* soil flushing/HRC injection in the source area.<br>• Capture and treatment of contaminated Building 51 area hydrauger effluent. |
| Building 51/64 Groundwater Solvent Plume | • *In situ* soil flushing in the source area.<br>• MNA[(b)] for contaminants in the downgradient plume area.<br>• Extraction and treatment of groundwater from the Building 51 subfloor drainage system.<br>• Extraction of groundwater from wells EW51-07-1 and EW51-07-2 to control migration of contaminated groundwater southward under Building 51.[(a)]<br>• Extraction of groundwater from EW51B-07-1 and EW51B-07-2 to control potential downgradient migration.[(a)] |
| Building 51L Groundwater Solvent Plume | • Extraction and treatment of groundwater from EW51L-06-1 and EW51A-06-1.<br>• Extraction and treatment of subdrain effluent from the concrete sump installed inside Building 51A. |
| Building 7 Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing in the source area (Building 7 Groundwater Collection Trench) downgradient of the former Building 7 sump location.<br>• *In situ* soil flushing in the core area downgradient from the Building 7 Groundwater Collection Trench.<br>• Operation of the Building 58 West and Building 58 Southeast Groundwater Collection Trenches and groundwater extraction well EW58-07-1[(a)] to control plume migration.<br>• Dual-phase (groundwater and soil vapor) extraction on the Building 53/58 slope.<br>• Extraction and treatment of water from a concrete sump (SB58-98-4).<br>• MNA for contaminants in the peripheral plume areas. |
| Building 52 Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing (injection and extraction wells) in the source area.<br>• Collection and treatment of groundwater from the Building 46 subdrain at the downgradient lobe margin.<br>• Injection of treated water into IW53-09-1 and IW53-09-2 to prevent migration of Building 7 lobe groundwater contaminants into the Building 52 lobe area.[(a)] |
| Building 25A Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing (infiltration bed and extraction trench) west of Building 25A in the source area.<br>• *In situ* soil flushing south of Building 25.<br>• Extraction and treatment of water from electrical utility manhole EMH-133. |
| Building 69 Area | • MNA[(b)] in the source area. |

(a) These actions were implemented to enhance the approved corrective measures subsequent to approval of the Corrective Measures Implementation (CMI) Report.
(b) HRC has been injected into the groundwater to enhance the natural biodegradation processes.

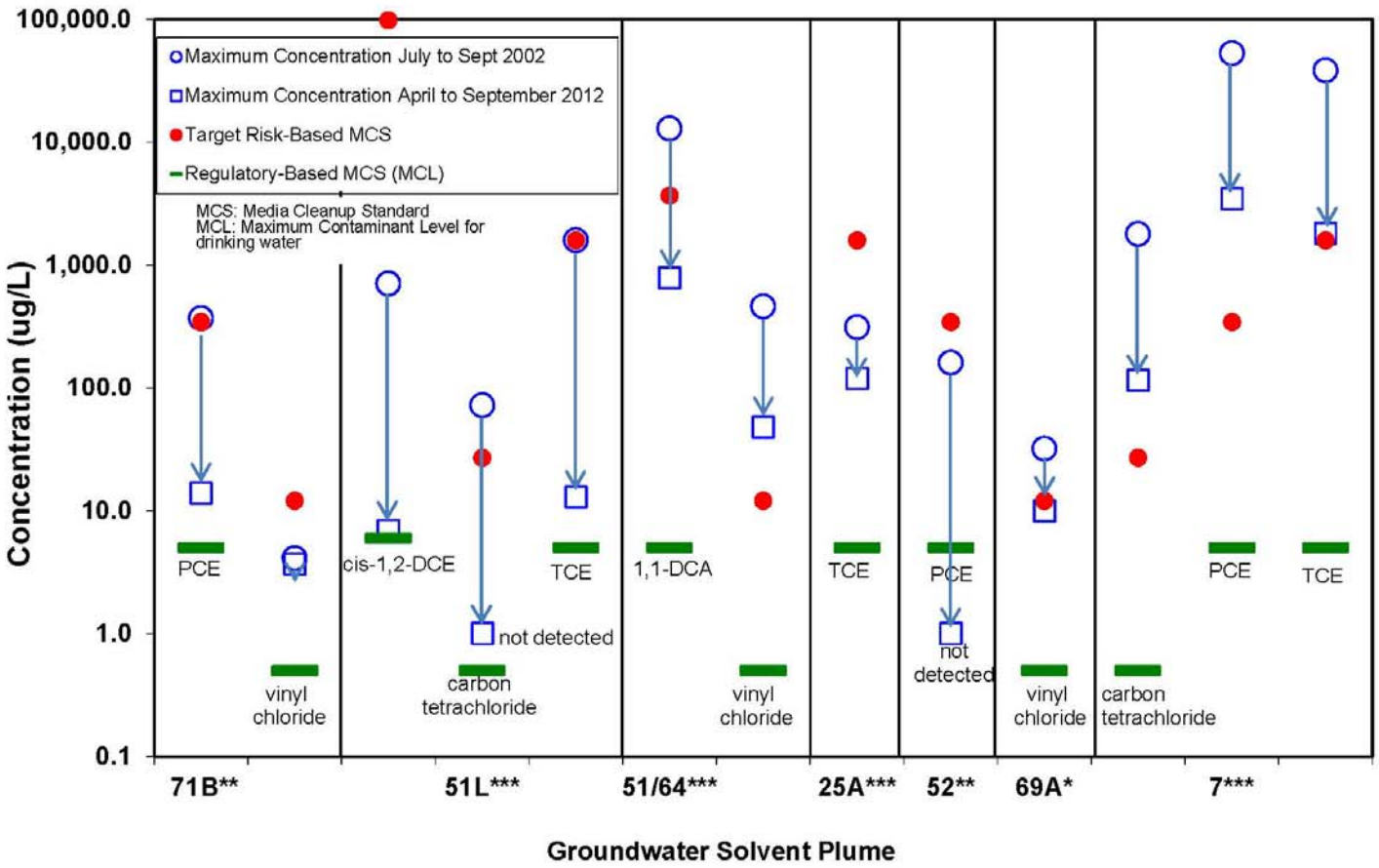
Volatile organic compounds (VOCs) are the Chemicals of Concern (COCs) in groundwater at LBNL. Cleanup of the groundwater COCs to the DTSC-approved target risk-based Media Cleanup Standards (MCSs) is the short-term goal for areas of LBNL where groundwater is not considered a potential drinking water source (i.e., does not meet State Water Resources Control Board [SWRCB] well yield criteria of at least 200 gallons per day). For areas where groundwater does meet the SWRCB well yield criteria, cleanup to regulatory-based Media Cleanup Standards (MCSs) (Maximum Contaminant Levels [MCLs] for drinking water) is the short-term goal. The overall long-term goal for all groundwater at LBNL is the reduction of groundwater concentrations to MCLs, if practicable. The groundwater at LBNL is not used for domestic, irrigation, or industrial purposes; drinking water is supplied by the East Bay Municipal Utility District (EBMUD).

The progress of corrective measures is illustrated on the graph on the following page. The graph shows that at each of the groundwater units where corrective measures are required, the maximum concentrations of the primary COCs have generally been substantially reduced since the start of the Corrective Measures Study (CMS) phase of the CAP in 2002. Similar reductions have been observed in most of the other contaminants detected at each unit.

Seventeen wells monitor for potential migration of contaminated groundwater beyond the site boundary or beyond the developed areas of the site. One of the wells has not been sampled since September 2010 because it has been dry. Except for MWP-7 and MWP-1, no VOCs were detected in the 16 perimeter wells sampled during the current reporting period. Concentrations of VOCs have declined in MWP-7 since it was initially sampled in 1992, with all concentrations below MCLs for drinking water since February 2000. Trichloroethene (TCE) (1.3 µg/L) was detected in the sample collected from MWP-1 on July 2, 2012. No VOCs had been detected in MWP-1 the previous 79 times it was sampled and when resampled less than two weeks later, no VOCs were detected. The detection is therefore questionable and may have resulted from cross contamination of the sample.

Selected groundwater samples were collected and analyzed for petroleum hydrocarbons, metals, and polychlorinated biphenyls (PCBs) during the current reporting period. No PCBs were detected. Petroleum hydrocarbons (250 µg/L) were detected in one of the six samples collected. The results are consistent with the historical data in which relatively low concentrations of

**Cleanup Progress for Principal Contaminants at Groundwater Units Where Corrective Measures are Required**




*MCLs are the long-term goal but are not a required MCS for this plume.
**MCLs are the required MCS for this plume.
***MCLs are the required MCS for only part of this plume but are a long- term goal for the entire plume.

petroleum hydrocarbons (but not individual VOCs) have occasionally been detected at three former underground storage tanks (UST) sites. The only metal that exceeded both the MCL and LBNL background level was arsenic in three wells. A long-term decreasing trend is apparent in two of the four wells that are sampled for arsenic.

Groundwater samples are being collected annually in the three areas where MNA is a component of the approved corrective measure (core area Building 51/64 Groundwater Solvent Plume, Building 69A Area of Groundwater Contamination, and the downgradient portion of the Building 7 lobe, and also in the Building 71B plume source area. The samples are analyzed for hydrochemical parameters indicative of the potential for biodegradation. The analytical results in all four of the areas continue to indicate conditions favorable for biodegradation. In addition, concentrations of VOCs in the groundwater in all four of the areas have shown a long-term decreasing trend.

Semiannual surface water samples were collected during the current reporting period and analyzed for VOCs, metals, and tritium. Detected metals concentrations were consistent with historical results and are likely naturally occurring. Tritium was detected (271 pCi/L) in the August 2012 sample collected from Chicken Creek at a concentration well below the MCL for drinking water of 20,000 pCi/L. The occasional detection of low concentrations of tritium in Chicken Creek is consistent with historical results, with concentrations declining since closure of the National Tritium Labelling Facility (NTLF) in December 2001.

As a component of the *in situ* soil flushing corrective measure for VOC-contaminated groundwater, the contaminated groundwater is extracted and treated using granular activated carbon (GAC) systems. During the current reporting period more than 7 million gallons of water were treated, with more than 140 million gallons treated to date. Most of the treated water is injected into the subsurface for *in situ* soil flushing purposes. The remainder is discharged to the sanitary sewer in accordance with the provisions of LBNL's EBMUD Wastewater Discharge Permit.

The Building 75 Tritium Plume extends from the Corporation Yard southwards towards Chicken Creek. Tritium concentrations detected in wells monitoring the plume have continued to decline since closure of the NTLF in December 2001, with a concurrent reduction in the lateral extent of the plume. Concentrations of tritium have been below the MCL (<20,000 pCi/L) in all

wells since February 2005, with a maximum detected concentration of 12,000 pCi/L during the current reporting period. Tritium has also been detected sporadically in groundwater near Building 71B, with concentrations declining since closure of the NTLF. Tritium has not been detected in the Building 71B area groundwater since March 2010.

# 1 INTRODUCTION

## 1.1 PURPOSE AND SCOPE

This semiannual progress report and annual status summary describes the Resource Conservation and Recovery Act (RCRA) Corrective Action Program (CAP) activities conducted at Lawrence Berkeley National Laboratory (LBNL) from April 1 through September 30, 2012 (third and fourth quarters of fiscal year 2012 [FY12]), the current reporting period. The primary purpose of this report is to document the progress of the corrective measures implemented by LBNL towards achieving the required RCRA CAP groundwater cleanup levels (Media Cleanup Standards [MCSs]). An additional purpose is to document that site groundwater plumes are stable or attenuating and that the plumes are not migrating offsite.

From August 2003 to February 2012, progress reports were submitted to the California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC) on a quarterly basis (LBNL, 1993-2012). Since that time, with DTSC approval, progress reports have been submitted semiannually (LBNL, 2012-2013). The reports are currently submitted to DTSC at the end of August (for the first and second quarters of the fiscal year [October through March]) and the end of February (for the third and fourth quarters of the fiscal year [April through September]). In contrast to the August progress report, which includes data only for the semiannual reporting period, this February annual status summary provides tables of historical data for volatile organic compounds (VOCs) in groundwater and a four-quarter tabulation of concentrations for other analytes in groundwater. In addition, the annual status summary provides a more comprehensive discussion of the status of the implemented corrective measures, including graphs showing groundwater contaminant concentration trends.

The progress reports also provide the results of environmental investigations conducted in compliance with LBNL's standard practice of evaluating potential impacts to human health and the environment at demolition/construction sites.

## 1.2 BACKGROUND

The LBNL Hazardous Waste Handling Facility (HWHF) operates under a RCRA Part B Hazardous Waste Facility Permit issued by the DTSC. The Permit requires LBNL to investigate and address all releases of hazardous waste and hazardous constituents that may have occurred at the site, in accordance with RCRA requirements. These activities have been the responsibility of the LBNL Environmental Restoration Program (ERP), which is a program of the Environmental Services Group of LBNL's Environment/Health/Safety/Security (EHSS) Division.

LBNL is currently in the Corrective Measures Implementation (CMI) phase of the CAP. The purpose of the CMI phase is to design, construct, operate, maintain, and monitor the corrective measures (cleanup activities) recommended by LBNL in the *Corrective Measures Study (CMS) Report* (LBNL, 2005a) and approved by the DTSC. On April 2, 2007, LBNL submitted its *RCRA Corrective Measures Implementation (CMI) Report* to the DTSC (LBNL, 2007). The CMI Report provided a consolidated record of the construction and implementation of the approved corrective measures. These measures include the operation of *in situ* soil flushing and groundwater capture systems, subsurface injection of Hydrogen Release Compound® (HRC), Soil Vapor Extraction (SVE), and Monitored Natural Attenuation (MNA).

## 1.3 TERMINOLOGY

Groundwater contaminant plumes presented in this report are described using the terminology listed in the following table to refer to relative directions and zones within each plume.

### Groundwater Plume Terminology

| Term | Definition |
|---|---|
| Plume | A volume of contaminated groundwater that extends outward in the direction of contaminant migration (primarily the groundwater flow direction) from a source of contamination. |
| Upgradient | In the direction from which groundwater flows (direction toward greater hydraulic head). |
| Downgradient | In the direction of groundwater flow (direction toward lesser hydraulic head). |
| Crossgradient | In the direction perpendicular to groundwater flow. |
| Source | The location where the contaminant was released to the environment. |
| Core | The area of relatively high contaminant concentrations extending downgradient from the source. |
| Plume-Periphery | Downgradient or crossgradient from the core near the plume margins. |
| Background | Upgradient or crossgradient from the plume where wells are not affected by contamination. |
| Off-Site | Outside the property boundary. |

# 2 SITE DESCRIPTION

## 2.1 LOCATION AND HISTORY

LBNL is a multi-program scientific research campus operated by the University of California (UC) for the United States Department of Energy (DOE). From an initial emphasis on nuclear physics research in the 1940s, LBNL has grown into a multi-program scientific research facility that includes energy, life and environmental sciences, high performance computing, and physical sciences. It is located on a 202-acre parcel of UC Regents' land in the Berkeley/Oakland Hills in Alameda County, California (Figure 1). The western portion of LBNL is in the City of Berkeley and the eastern portion is in Oakland (Figure 2).

Consistent with LBNL's mission as a research facility, many types of chemicals have been used or produced as wastes over the more than 60 years of operation, including solvents, petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and metals. As a result of past operations, some of these chemicals were released to soil and/or groundwater. Over the past several decades, LBNL has improved operation control systems and practices to prevent spills and releases.

## 2.2 PHYSICAL DESCRIPTION

A map of the site showing the locations of creeks and the surface topography is included as Figure 2. A brief summary of site physiography, geology, and hydrogeology is given below. More detailed descriptions are provided in the *RCRA Facility Investigation Report* (LBNL, 2000).

### 2.2.1 Physiography

The site physiography is dominated by a steep south- to southwest-facing slope (Figure 2) that has been modified by erosion of several steep stream canyons, by mobilization of landslides, and by extensive cut and fill operations associated with construction of LBNL facilities. Two westward-flowing creeks drain the LBNL site: tributaries of Strawberry Creek drain the southern boundary, and North Fork Strawberry Creek drains the western boundary.

### 2.2.2 Geology and Hydrogeology

LBNL is underlain primarily by northeast-dipping Cretaceous and Miocene sedimentary and volcanic bedrock units, and paleo-landslide (ancient landslide) deposits composed of these

units, as shown on the bedrock geologic map (Figure 3a) and summary stratigraphic column (Figure 3b). Surficial units at LBNL consist primarily of artificial fill, colluvium, alluvium, and recent landslide deposits, as shown on the surficial geologic map (Figure 3c).

Groundwater flow and contaminant migration are controlled in large part by the geometry and physical characteristics of the surficial and bedrock units. Typical values of hydraulic conductivity for the geologic units mapped at the site are shown in the table below:

**Typical Hydraulic Conductivity Ranges for Geologic Units at LBNL**

| Geologic Unit | Hydraulic Conductivity |
|---|---|
| Artificial Fill | $10^{-6}$ to $10^{-8}$ m/s |
| Colluvium and alluvium | $10^{-6}$ to $10^{-10}$ m/s |
| Moraga Formation (includes paleolandslide deposits) | $10^{-4}$ to $10^{-6}$ m/s |
| Mixed Unit | $10^{-5}$ to $10^{-9}$ m/s |
| Orinda Formation | $10^{-5}$ to $10^{-13}$ m/s |
| San Pablo Group | $10^{-6}$ to $10^{-8}$ m/s |
| Great Valley Group | $10^{-5}$ to $10^{-8}$ m/s |

m/s: meters per second

Groundwater elevation maps at LBNL show that the piezometric surface approximately mirrors surface topography, and indicate that groundwater flow in the western portion of the site is generally westward, whereas flow in other parts is generally southward.

## 2.3 SITE STUDY AREAS

For reporting purposes, the *RCRA Facility Assessment (RFA)* (LBNL, 1992) subdivided LBNL into 15 Areas. The subsequent RCRA Facility Investigation (RFI) consolidated the 15 RFA Areas into four areas (Bevalac, Old Town, Support Services, and Outlying), based on the location of groundwater plumes, the direction of groundwater flow, and potential contaminant migration pathways. Figures and tables presented in this report are organized based on these four areas. The locations of the 4 areas and the 15 RFA Areas are shown on Figure 4.

# 3 ENVIRONMENTAL ACTIVITIES CONDUCTED DURING THE CURRENT REPORTING PERIOD

## 3.1 GROUNDWATER MONITORING

### 3.1.1 Summary of Groundwater Monitoring Program

The primary purpose of sampling groundwater during the CMI phase of the CAP is to monitor the progress of the implemented corrective measures toward achieving the required groundwater MCSs. The data are also used to document that site groundwater plumes are stable or attenuating and that the plumes are not migrating offsite. To accomplish these objectives, groundwater samples are collected from groundwater monitoring wells and analyzed for VOCs in accordance with the schedule (LBNL, 2005b) approved by the California Regional Water Quality Control Board (Water Board) San Francisco Bay Region and the DTSC. In addition, groundwater samples collected from temporary groundwater sampling points and groundwater extraction wells are analyzed for VOCs to obtain supplemental data to support these objectives.

Selected groundwater samples are also analyzed for metals, PCBs, total petroleum hydrocarbons (TPH), and tritium to obtain additional information on groundwater quality. Samples for metals analysis are collected in accordance with a schedule approved by the Water Board and DTSC (LBNL, 2005b). Tritium samples are collected in accordance with a DOE-approved schedule (LBNL, 2012a). Radionuclides, including tritium, are not regulated under RCRA, but are addressed under the oversight of the DOE. Although not regulated under RCRA, radionuclide data are included in the progress reports in order to provide a comprehensive evaluation of the status of site contaminants.

Groundwater samples are also periodically collected from slope stability wells and hydraugers (subhorizontal hillside drains). Slope stability wells and hydraugers, although not installed for groundwater monitoring purposes, provide qualitative data that are helpful in assessing plume geometry.

Samples from selected monitoring wells and temporary groundwater sampling points have also been analyzed annually (second quarter) for hydrochemical parameters indicative of the potential for biodegradation. The purpose of this sampling is to provide the data necessary to assess

the potential effectiveness of MNA and/or enhanced bioremediation for achieving the required MCSs.

The locations of slope stability wells are shown on Figure 5. The locations of groundwater monitoring wells, temporary groundwater sampling points, groundwater extraction wells, and hydraugers are shown on Figure 6 and Figures 7a through 7h. The complete list of VOC (Method 8260) analytes and quantitation limits (assuming no sample dilution) for each laboratory utilized during the current reporting period is provided in Table 1. A listing of analytical methods used for groundwater sampling at each of the sampling locations during the current reporting period is presented in Table 2. Groundwater elevation data are presented in Table 3. Groundwater monitoring well construction details are presented in Table 4. Groundwater analytical results for each of the site areas and types of sampling locations are provided in the tables listed in the following index:

**Groundwater Analytical Results Index**

| Chemical | Area | Table Number | | | | |
|---|---|---|---|---|---|---|
| | | Groundwater Monitoring Wells | Temporary Groundwater Sampling Points | Groundwater Extraction Wells | Slope Stability Wells | Hydraugers |
| Volatile Organic Compounds (VOCs) | Bevalac | 5-1 | 5-2 & 5-4* | 5-3 | — | 9 |
| | Old Town | 6-1 | 6-2 | 6-3 | — | — |
| | Support Services | 7-1 | 7-2 | — | — | — |
| | Outlying | 8 | — | — | | — |
| Petroleum Hydrocarbons | Sitewide | 12 | — | — | — | — |
| Tritium | Support Services and Bevalac | 13 | 13 | — | 13 | — |
| Metals | Sitewide | 14 | — | — | — | — |
| Polychlorinated Biphenyls (PCBs) | Bevalac | 15 | — | — | — | — |
| Hydrochemical Indicator parameters | Sitewide | 17 | 17 | — | — | — |

Note: Historical minor detections of VOCs in site-wide wells are listed in Table 10.

* Table 5-4 provides the results of samples collected from temporary groundwater sampling points installed to investigate potential subsurface contamination in the Building 51 and Bevatron Demolition Project area.

Each of the tables listing VOC concentrations is subdivided into halogenated non-aromatic compounds, which are primarily derived from solvents, and non-halogenated or aromatic compounds, which are primarily derived from petroleum products. In order to simplify the reporting tables, the primary VOC result tables only list the principal VOCs historically detected at the site**.**

### 3.1.2 Monitoring the Implemented Corrective Measures (Halogenated Volatile Organic Compounds)

*Corrective Measures Requirements*

The Corrective Measures Study Report (LBNL, 2005a) recommended that corrective measures be implemented in seven areas of solvent-contaminated groundwater. These seven areas are listed in the following table, which also lists the corresponding figure numbers for isoconcentration contour maps of total halogenated hydrocarbons and groundwater elevation maps for the current reporting period, as well as concentration trend plots. The locations of the seven areas are shown on Figure 8.

**LBNL Groundwater Monitoring Figure Index:**
**Locations Where Corrective Measures are Required**

| Plume or Area of Groundwater Contamination | Figure Number | | |
|---|---|---|---|
| | Isoconcentration Contour Map Total Halogenated Hydrocarbons | Water Level Elevation Map | Concentration Trend Plot |
| *Bevalac Area* | | 20 | |
| 1. Building 71B Solvent Plume | 19 | —- | 21, 22, 23 |
| 2. Building 51/64 Solvent Plume | 19, 24 | — | 26a, 26b, 27, 28, 29a, 29b, 30 |
| 3. Building 51L Solvent Plume | 19 | — | 31 |
| *Old Town Area* Old Town Solvent | | 34 | |
| 4. Building 7 Lobe | 32, 33 | — | 35a, 35b, 35c, 36a, 36b, 37a, 37b, 38a, 38b |
| 5. Building 52 Lobe | 32 | — | 39, 40a, 40b, 40c, 41a, 41b, 41c |
| 6. Building 25A Lobe | 32 | — | 42a, 42b, 43a, 43b, 44, 45 |
| *Support Services Area* | | 47 | |
| 7. Building 69A Area of Groundwater Contamination | 46 | — | 48 |

The primary objective of the corrective measures for these seven areas is to reduce contaminant concentrations below either risk-based or regulatory-based MCSs, as applicable. Regulatory-based MCSs (i.e. Maximum Contaminant Levels [MCLs] for drinking water) are applicable to the areas where groundwater characteristics (i.e. yields) meet State Water Resources Control Board (SWRCB) criteria for potential sources of drinking water, as defined by SWRCB Resolution 88-63. Less stringent risk-based MCSs are applicable for the areas that do not constitute potential sources of drinking water. The overall long-term goal for all groundwater at LBNL is to reduce contaminant concentrations to MCLs for drinking water, if practicable. However, it should be noted that groundwater at LBNL is not used for domestic, irrigation, or industrial purposes and drinking water is supplied by the East Bay Municipal Utility District (EBMUD).

Two sets of risk-based MCSs were developed in the *Corrective Measures Study (CMS) Report* (LBNL, 2005a): 1) target risk-based MCSs (TRBMCSs) and 2) upper-limit risk-based MCSs. The TRBMCSs were based on theoretical Incremental Lifetime Cancer Risks (ILCRs) of $10^{-6}$ (the lower bound of the United States Environmental Protection Agency [EPA] risk management range) and a non-cancer Hazard Quotient (HQ) of 1.0. Since the TRBMCSs may not be achievable at some groundwater units due to technical impracticability, upper-limit risk-based MCSs were also developed that represent the upper bound of the risk management range (i.e. a theoretical ILCR of $10^{-4}$).

In addition to monitoring groundwater at the seven units listed above, LBNL monitors groundwater in three other areas where solvent-contaminated groundwater is present. Corrective measures are not required in these areas because the areas do not constitute potential sources of drinking water (SWRCB Resolution 88-63) and the concentrations of VOCs in groundwater are below applicable cleanup levels (risk-based MCSs). However, LBNL continues to monitor groundwater in these areas because VOC concentrations exceed the long-term cleanup goals (MCLs) for all site groundwater. The following table lists the figure numbers for isoconcentration contour maps of total halogenated hydrocarbons and groundwater elevation maps for the current reporting period, and concentration trend plots for these areas.

**LBNL Groundwater Monitoring Figure Index:**
**Locations Where Corrective Measures are not Required**

| Plume or Area of Groundwater Contamination | Figure Number | | |
|---|---|---|---|
| | Isoconcentration Contour Map Total Halogenated Hydrocarbons | Water Level Elevation Map | Concentration Trend Plot |
| *Support Services Area* | | 47 | |
| Building 76 Groundwater Solvent Plume | 46 | | 49 |
| Building 75/75A Area of Groundwater Contamination | 46 | | 49 |
| Building 77 Area of Groundwater Contamination* | 46 | | 49 |

* Concentrations of all VOCs have been below MCLs since 2008.

Two additional areas of groundwater contamination were discovered during investigations conducted in 2011 and 2012 as part of the Building 51 and Bevatron Demolition Project. The report describing the results of the investigations was submitted to the DTSC in August 2012 (LBNL, 2012b). However, the scope and schedule for further monitoring and/or corrective action has not yet been established. The following table lists the figure numbers of the isoconcentration contour maps of total halogenated hydrocarbons and groundwater elevation maps that include the two areas.

**LBNL Groundwater Monitoring Figure Index:**
**Recently Discovered Areas of Groundwater Contamination**

| Area of Groundwater Contamination | Figure Number | |
|---|---|---|
| | Isoconcentration Contour Map Total Halogenated Hydrocarbons | Water Level Elevation Map |
| *Bevalac Area* | | 20 |
| Former Building 51A Area of Groundwater Contamination | 19, 50 | |
| Former Building 51 Vacuum Pump Room Area of Groundwater Contamination | 19, 51 | |

*Corrective Measures Effectiveness*

The groundwater monitoring data collected at LBNL continue to indicate that: 1) the implemented corrective measures have been effective in reducing contaminant concentrations in the groundwater; 2) the groundwater plumes are stable or attenuating; and 3) contaminants are not migrating offsite in the groundwater. The evidence supporting these conclusions is summarized below and discussed in detail in Section 4.

To illustrate the effectiveness of the groundwater cleanup measures, comparisons of groundwater plume VOC concentrations between the current reporting period and 1999 are provided on Figure 9, Figure 10, and Figure 11, which show the areal extent of total halogenated VOC concentrations exceeding 10 µg/L, 100 µg/L, and 1,000 µg/L, respectively. These comparisons indicate that significant reductions in concentrations of halogenated VOCs in groundwater have occurred since 1999. The reductions are the result of both Interim Corrective Measures (ICMs) implemented during the RFI, and the subsequently implemented approved corrective measures.

The extent of groundwater contamination where concentrations of halogenated VOCs exceeded MCLs during the current reporting period is shown on Figure 12. Concentrations of all VOCs that exceeded MCLs for drinking water during the current reporting period, and the specific sampling locations where MCLs and TRBMCSs were exceeded, are listed in Table 11. The maximum concentrations of halogenated VOCs detected above MCLs in each of the ten areas of solvent-contaminated groundwater discussed above are listed in the following table. Concentrations that also exceeded the TRBMCSs are highlighted in boldface type.

**Maximum Concentrations (µg/L) of Halogenated VOCs Detected above MCLs during the Third and Fourth Quarters of FY12**

| Area | Groundwater Unit | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | VC | CT | 1,1,2,2 PCA | chlor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **MCL** | **5** | **0.5** | **6** | **6** | **5** | **5** | **5** | **0.5** | **0.5** | **1** | **80** |
| | **TRBMCS** | **3,663** | **1,030** | **28,873** | **98,405** | **1,594** | **343** | **1,594** | **12** | **27** | **NS** | **1,206** |
| **Bevalac** | Building 71B Plume | - | - | - | 15 | - | 14 | - | 3.7 | - | - | - |
| | Building 51/64 Plume | 786 | 6.4 | 87 | 160 | 18 | 71 | 144 | **48** | 1.9 | 2.7 | |
| | Building 51L Plume | - | - | - | 6.9 | - | - | 13 | 6.7 | - | - | - |
| | Building 51 Vacuum Pump Room[(a)] | 77 | - | 19 | 71 | - | - | **5,750** | **22** | - | - | - |
| | Former Building 51A[(a)] | - | - | - | 25 | - | **442** | **11,100** | 3.2 | **4,270** | - | 200 |
| **Old Town** | Old Town Plume Building 7 Lobe | 5.7 | - | 11 | 44 | - | **3,480** | **1,820** | 6.8 | **116** | - | - |
| | Building 25A Lobe | - | - | - | 9.7 | - | 19 | 120 | - | 6.3 | - | - |
| | Building 52 Lobe | - | - | - | - | - | - | - | - | - | - | - |
| **Support Services** | Building 69A Area | - | - | - | 20 | - | - | - | 10 | - | - | - |
| | Building 75/75A Area | - | - | - | 190 | - | - | 11 | **21** | - | - | - |
| | Building 76 Area | - | - | - | - | - | - | 7.2 | - | - | - | - |
| | Building 77 Area[(b)] | | - | - | - | - | - | - | - | - | - | - |

chlor: chloroform CT: carbon tetrachloride DCA: dichloroethane DCE: dichloroethene
PCE: tetrachloroethene TCA: trichloroethane TCE: trichloroethene VC: vinyl chloride
PCA: tetrachloroethane
MCL: Maximum Contaminant Level for drinking water
TRBMCS: Target Risk-Based Media Cleanup Standard
NS: Not Specified. A TRBMCS for 1,1,2,2-PCA was not determined.
Note: Boldface type indicates that the concentration exceeds the TRBMCS.
[(a)] Recently discovered area of groundwater contamination where corrective measures have not been implemented.
[(b)] Concentrations of VOCs have been below MCLs during most monitoring events since 2002.

Seventeen wells monitor for potential migration of contaminated groundwater beyond the developed areas of the site, including one well located outside the site boundary (Figure 13). These wells are on a semiannual sampling schedule for VOCs. One of the wells, MW88-93-11A, has not been sampled since September 2010 because it has been dry. Except for MWP-7 and MWP-1, no VOCs were detected in the 16 perimeter wells sampled during the current reporting period. Concentrations of VOCs detected in MWP-7 have been decreasing since the well was initially sampled in 1992, with all concentrations below MCLs for drinking water since February 2000. Low concentrations of trichloroethene (TCE) (1.5 µg/L or less) have been the only VOCs detected in MWP-7 since 2006, with no VOCs detected four of the eleven times the well was sampled

during that time. TCE was detected at a concentration of 1.3 µg/L during the current reporting period.

TCE was detected at a concentration of 1.3 µg/L in the sample collected from perimeter monitoring well MWP-1 on July 2, 2012. No VOCs had been detected in MWP-1 the previous 79 times it was sampled and when resampled less than two weeks later, no VOCs were detected. In addition, no VOCs were detected in a sample collected in October 2012 during the upcoming reporting period). The detection is inconsistent with other sampling results from the well and may have resulted from cross contamination of the sample.

### 3.1.3 Monitoring Other Chemicals in Groundwater

*Total Petroleum Hydrocarbons and Aromatic Hydrocarbons*

Corrective measures are not required at any present or former LBNL underground storage tank (UST) sites. Nevertheless, LBNL has been monitoring three former UST sites (Building 74 Former Diesel UST, Building 76 Former Diesel and Gasoline USTs, and Former Building 7E Diesel/Kerosene UST) where petroleum hydrocarbons have been detected in the groundwater. The only location where petroleum hydrocarbons were detected in the groundwater during the current reporting period was the Building 76 Former Diesel UST, where total petroleum hydrocarbons in the diesel range (TPH-D) were detected in MW76-1 at a concentration of 250 µg/L (Table 12). Aromatic hydrocarbons (i.e. benzene, toluene, xylenes, ethylbenzene, naphthalene, etc.) are generally found as constituents of petroleum hydrocarbons. No aromatic hydrocarbons have been detected in MW76-1 since 2002. The results are consistent with the historical data in which relatively low concentrations of petroleum hydrocarbons (but not individual VOCs) have occasionally been detected at all three locations.

Concentrations of aromatic hydrocarbons detected during the current reporting period are listed in the following table. Benzene, which was detected in four wells, was the only aromatic hydrocarbon that exceeded the MCL for drinking water. Results were consistent with previously detected concentrations.

**Aromatic or Non-Halogenated Hydrocarbons Detected in Groundwater During the Third and Fourth Quarters of FY12**

| Chemical | MCL (µg/L) | Well Number | Maximum Concentration (µg/L) |
|---|---|---|---|
| benzene | 1 | MW51-96-16<br>SB51-11-19<br>SB75A-09-2<br>MW91-4 | 2.4<br>1.3<br>1.1<br>38 |
| toluene | 150 | SB64-02-1<br>SB64-02-2 | 2.9<br>1.4 |
| n-propylbenzene | none specified | SB64-02-1 | 1.5 |
| chlorobenzene | none specified | SB75A-09-1<br>SB75A-09-2 | 1.6<br>3.0 |

*Tritium*

The Building 75 Tritium Plume extends from the Corporation Yard (the area between Buildings 69 and 75) southwards toward Chicken Creek (Figure 14). The source of the plume was the former National Tritium Labeling Facility (NTLF), which operated inside Building 75 for almost 20 years until December 2001. Tritium has also been detected in two other localized areas, near Building 71B and under the central area of former Building 51. Concentrations in these two areas are substantially less than tritium concentrations detected in the Building 75 area.

Concentrations of tritium detected in groundwater during FY12 are listed in Table 13. An isoconcentration map of the Building 75 area showing the distribution of tritium in groundwater for the current reporting period is shown on Figure 14. Tritium concentration trends in wells monitoring the Building 75 Tritium Plume are shown on Figure 15a (source, core, and crossgradient areas) and Figure 15b (downgradient area). As can be seen on the figures, tritium concentrations have shown significant declines in almost all wells monitoring the plume since closure of the NTLF in December 2001, with a concurrent reduction in the lateral extent of the plume. Concentrations of tritium have been below the MCL for drinking water (<20,000 pCi/L) in all wells since February 2005, with a maximum detected concentration of 12,000 pCi/L during the current reporting period.

Tritium concentrations in the groundwater near Building 71B have also been declining. Concentrations detected in the three wells monitoring the area (MW71-95-9, MW71B-98-13, and MW71B-99-3R) have been below the reporting limit of 300 pCi/L most times the wells have been sampled since closure of the NTLF, including the current reporting period. Tritium concentration trends in wells monitoring the Building 71 area are shown on Figure 16.

As reported previously, tritium (4,040 pCi/L maximum) was detected in groundwater samples collected to help assess potential subsurface contamination in the former Building 51 Bevatron area. As previously reported in the Quarterly Progress Report for the second quarter of FY11 (LBNL, 1993-2012), groundwater samples collected during the second quarter of FY11 from wells downgradient and crossgradient from the area where the tritium was detected did not contain detectable levels (<300 pCi/L) of tritium. Based on the extensive sampling that was conducted, the tritium contamination was determined to be limited to a relatively small area under the former central Bevatron area. Tritium was not detected (<300 pCi/L) in the three groundwater monitoring wells sampled during the current reporting period that are downgradient from this area (SB51-11-1R, SB51-11-3, and SB51-11-4).

*Metals*

Annual sampling of groundwater for metals was conducted during the current reporting period. Six wells were sampled for the specific metal (arsenic, mercury, or selenium) that had historically been detected above both the LBNL background level (LBNL, 2002) and the MCL for drinking water. In addition, six monitoring wells were sampled for molybdenum because historical detections at those wells have been above the LBNL background level. Molybdenum has no MCL.

The metals results are provided in Table 14. The only metal that exceeded both the MCL and LBNL background level was arsenic in three wells (MW75-99-8, MW51B-93-18A, and MW64-97-1). Arsenic concentration trends in the four wells sampled are shown on Figure 17. A long-term decreasing trend in arsenic concentrations is apparent for two of the wells, MW37-92-18A and MW51B-93-18A. No consistent trend is observed in the other wells. Mercury has not been detected in MW75B-95-24 since 2005 and the concentration of selenium has been below the MCL in MW64-97-2 since 2008. However, all six wells sampled for molybdenum continued to

have concentrations exceeding the LBNL background level. The detected metals concentrations are consistent with historical analytical results.

*PCBs*

During the current reporting period, groundwater samples collected from two groundwater monitoring wells beneath the former Building 51 Motor Generator Room Basement were analyzed for PCBs (Table 15). No PCBs were detected (<0.2 µg/L).

## 3.2 SURFACE WATER SAMPLING

Semiannual (rainy season and dry season) surface water samples were collected during the current reporting period from six creeks flowing from LBNL and analyzed for VOCs and dissolved metals (Table 16a). Samples from two of the creeks (Chicken and North Fork Strawberry) were also analyzed for tritium (Table 16b). Two creeks on the semiannual sampling schedule, Ten-Inch Creek and Cafeteria Creek, could not be sampled during the current reporting period due to insufficient flow. Surface water sampling locations are shown on Figure 18.

No VOCs were detected except for the August sample from Ravine Creek in which low concentrations of p-isopropyltoluene (3.5 µg/L) and toluene (3.2 µg/L) were detected. Since the flow in the creek in August was extremely low, a sample could not be collected from the flowing water. The sample was therefore collected from a pool of stranding water adjacent to the roadway and is therefore not considered representative of the quality of water flowing in the creek.

The only metals detected during the current reporting period were arsenic (7.2 µg/L maximum), barium (110 µg/L maximum), selenium (3.4 µg/L maximum), vanadium (12 µg/L), and zinc (12 µg/L). The detected concentrations were consistent with historical results and are likely naturally occurring. To further evaluate the detection of antimony at concentrations above historical levels in three creeks (Cafeteria, Chicken, and Ravine) during the previous reporting period, both primary and duplicate samples were collected from each of the creeks during the current reporting period and analyzed by different laboratories for total and dissolved antimony. Antimony was detected in all three creeks, but at concentrations consistent with historical LBNL sampling results.

Tritium was not detected in the semiannual (February and August) samples collected from North Fork Strawberry Creek and Chicken Creek, but was detected in an additional sample collected from Chicken Creek in April 2012 at a concentration of 271 pCi/L (Table 16b). The detected concentration is well below the MCL for drinking water of 20,000 pCi/L. The occasional detection of low concentrations of tritium in Chicken Creek is consistent with historical results, with concentrations declining since closure of the NTLF in December 2001.

## 3.3 DOCUMENTS

The following documents were submitted to the regulatory agencies during the current reporting period:

- On April 18, 2012, LBNL submitted the semi-annual self-monitoring report for treated water discharged to the sanitary sewer to EBMUD.
- On April 12, 2012, LBNL submitted the *Concrete Verification Sampling and Reuse Summary Report for Building 51 and Bevatron Demolition Project* to the Water Board.
- On April 18, 2012, LBNL submitted the draft *Interim Corrective Measures Workplan to Control the Migration of Contaminated Groundwater at the Bevatron Demolition Project Site*, to the DTSC.

  On July 3, 2012, in a letter from Jacinto Soto, (DTSC) to Iraj Javandel (LBNL), DTSC provided LBNL with comments on the draft *Interim Corrective Measures Workplan to Control the Migration of Contaminated Groundwater at the Bevatron Demolition Project Site.*

  On August 15 2012, LBNL submitted the revised *Interim Corrective Measures Workplan to Control the Migration of Contaminated Groundwater at the Bevatron Demolition Project Site* to the DTSC. The document was revised in accordance with DTSC's July 3 comments.

  On September 14, 2012, LBNL provided DTSC with National Environmental Policy Act (NEPA) Categorically Excluded and California Environmental Quality Act (CEQA) Categorically Exempt documents for the proposed Interim Corrective Measures to control the migration of contaminated groundwater at the Bevatron Demolition project site.

- On April 27, 2012, LBNL submitted the draft *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project* to the DTSC.

  On July 3, 2012, in a letter from Jacinto Soto, (DTSC) to Iraj Javandel (LBNL), DTSC provided LBNL with comments on the draft *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project*.

On August 6 2012, LBNL submitted the revised *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project* to the *DTSC*. The document was revised in accordance with DTSC's July 3 comments.

On September 18, 2012, in a letter from Jacinto Soto (DTSC) to Ron Pauer (LBNL), DTSC approved the *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project*.

- On August 7, 2012, LBNL submitted a permit application to the City of Berkeley for the construction of three groundwater extraction wells and the proper destruction of five groundwater monitoring wells and one temporary groundwater sampling point. These modifications to the Building 25A *in situ* soil flushing system were required due to construction of the Solar Energy Research Center (SERC) and were approved by the DTSC in September 2011.
- On August 24, 2012, LBNL submitted the *Semiannual Progress Report and Annual Status Summary 1st and 2nd Quarters, Fiscal Year 2012 (October 1, 2011 to March 31, 2012) for the Lawrence Berkeley National Laboratory* to the DTSC.

# 4 STATUS OF CORRECTIVE MEASURES

## 4.1 GROUNDWATER UNITS REQUIRING CORRECTIVE MEASURES

Corrective measures are required at seven groundwater units. Three of the units are located in the Bevalac Area (Building 71B plume, Building 51/64 plume, and Building 51L plume), three in the Old Town Area (Building 7 lobe, Building 52 lobe, and Building 25A lobe), and one in the Support Services Area (Building 69A Area of Groundwater Contamination) (Figure 8). A listing of the ongoing corrective measures that have been implemented for groundwater is provided in the following table. More detailed information on the implementation of the measures is provided in the RCRA Corrective Measures Implementation (CMI) Report (LBNL, 2007). The status of these seven units relative to achieving the required groundwater MCSs and/or the long-term site wide goal of MCLs is discussed below.

Monitored Natural Attenuation (MNA) is a component of the approved corrective measures at the following three groundwater units:

1. Downgradient core area of the Building 51/64 Groundwater Solvent Plume.
2. Peripheral area of the Building 7 Lobe of the Old Town Groundwater Solvent Plume.
3. Building 69A Area of Groundwater Contamination.

HRC has been injected into the groundwater at two of these units (Building 51/64 and Building 69) and in the Building 71B plume source area to enhance the natural biodegradation processes (enhanced bioremediation). A number of hydrochemical parameters indicative of the potential for biodegradation are being monitored at these four units to document whether subsurface conditions are favorable for biodegradation (Table 17). These include five field-measured parameters (dissolved oxygen [DO], dissolved carbon dioxide [$CO_2$], pH, temperature, and ferrous iron [$Fe^{2+}$]) and the following laboratory-measured parameters: nitrate ($NO_3$); nitrite ($NO_2$); sulfide (as hydrogen sulfide [$H_2S$]); sulfate ($SO_4^{2-}$); volatile fatty acids (VFAs); and methane ($CH_4$), ethane ($C_2H_6$), and ethene ($C_2H_4$). The relatively high concentrations of methane, VFAs, and ferrous iron; the low levels of DO, nitrate, and sulfate; and the presence of degradation products such as vinyl chloride and cis-1,2-dichloroethene (DCE) in many of the wells monitored (as described in the following subsections) is evidence of the reductive dechlorination of halogenated VOCs.

## Summary of DTSC Approved Corrective Measures for Groundwater

| Groundwater Unit | Ongoing Corrective Measure |
|---|---|
| Building 71B Groundwater Solvent Plume | • *In situ* soil flushing/HRC injection in the source area.<br>• Capture and treatment of contaminated Building 51 area hydrauger effluent. |
| Building 51/64 Groundwater Solvent Plume | • *In situ* soil flushing in the source area.<br>• MNA[(a)] for contaminants in the downgradient plume area.<br>• Extraction and treatment of contaminated water from the Building 51 subfloor drainage system.<br>• Extraction of groundwater from EW51-07-1 and EW51-07-2 to control migration of contaminated groundwater southward under Building 51.[(b)]<br>• Extraction of groundwater from EW51B-07-1 and EW51B-07-2 to control potential downgradient migration.[(b)] |
| Building 51L Groundwater Solvent Plume | • Extraction and treatment of groundwater from EW51L-06-1 and EW51A-06-1.<br>• Extraction and treatment of subdrain effluent from the concrete sump installed inside Building 51A. |
| Building 7 Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing in the source area (Building 7 Groundwater Collection Trench) downgradient from the former Building 7 sump location.<br>• *In situ* soil flushing in the core area downgradient from the Building 7 Groundwater Collection Trench.<br>• Operation of the Building 58 West and Building 58 Southeast Groundwater Collection Trenches and groundwater extraction well EW58-07-1[(b)] to control plume migration.<br>• Dual-phase (groundwater and soil vapor) extraction on the Building 53/58 slope.<br>• Extraction and treatment of water from a concrete sump (SB58-98-4).<br>• MNA for contaminants in the peripheral plume areas. |
| Building 52 Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing (injection and extraction wells) in the source area.<br>• Collection and treatment of groundwater from the Building 46 subdrain at the downgradient lobe margin. |
| Building 25A Lobe Old Town Groundwater Solvent Plume | • *In situ* soil flushing (infiltration bed and extraction trench) west of Building 25A in the source area.<br>• *In situ* soil flushing south of Building 25.<br>• Extraction and treatment of water from electrical utility manhole EMH-133. |
| Building 69 Area | • MNA[(a)] in the source area. |

(a) HRC has been injected into the groundwater to enhance the natural biodegradation processes.
(b) Action was implemented to enhance the approved corrective measures subsequent to approval of the CMI Report.

### 4.1.1 Building 71B Groundwater Solvent Plume

*Description*

The Building 71B Groundwater Solvent plume extends southwest from Building 71B toward the Building 51/64 area. The location of the plume is included on Figure 19, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Bevalac Area. Groundwater elevation contours for the Building 71B plume area are included on Figure 20.

The principal plume constituents are halogenated VOCs, including TCE and tetrachloroethene (PCE), and their associated degradation products (e.g. cis-1,2-DCE). Solvent spills outside Building 71B appear to be the primary source for the contamination.

*Corrective Measures*

The corrective measure required for the Building 71B Groundwater Solvent Plume is *in situ* soil flushing with HRC injection. Since September 2004, treated groundwater has been injected into the gravel-backfilled source area ICM excavation at the entrance to Building 71B to flush residual soil contamination (*in situ* soil flushing) from the plume source area. The injected water is extracted downgradient from well SB71B-04-1, treated by granular activated carbon (GAC), and then reinjected in the source area. Since December 2004, HRC has been periodically added to the injected water to expedite *in-situ* biodegradation.

To prevent the migration of contaminated groundwater to surface water, contaminated effluent from the 51-01-series hydraugers is piped into a GAC treatment system located east of Building 51 (Building 51 Firetrail Treatment System). The locations of the hydraugers and the treatment system are shown on Figure 19.

*Effectiveness of Corrective Measures*

The Building 71B plume appears to be stable in extent and diminishing in mass in that contaminant concentrations detected in most wells monitoring the plume have declined over the past several years of monitoring. Ongoing *in situ* soil flushing and HRC injection have significantly reduced VOC concentrations in the Building 71B lobe source and core areas.

Concentrations of total VOCs have declined in the groundwater in the source area from over 6,000 µg/L in 2004 prior to soil flushing, to less than 30 µg/L currently.

As shown on Figure 21, the concentrations of PCE and TCE detected in source-area wells (MW71B-99-3R, SB71B-03-1, and SB71B-03-2) have declined significantly (with some seasonal fluctuations). In contrast, the concentrations of vinyl chloride and cis-1,2-DCE have been erratic after initially decreasing, although there appears to be a recent indication of a decreasing trend. The decreases in PCE and TCE concentrations in the absence of similar decreases in the concentrations of vinyl chloride and cis-1,2-DCE is an indication of the biodegradation of PCE and TCE through reductive dechlorination.

A long-term decreasing trend in total VOC concentrations has been observed in MW90-3, which is located in the downgradient portion of the plume core (95 µg/L in 1992 to 13 µg/L during the current reporting period). The concentrations of individual VOCs (cis-1,2-DCE, PCE, and TCE) continue to decline, with concentrations of all three analytes decreasing to levels below MCSs (MCLs) in August 2010 (Figure 22).

Concentrations of VOCs have also been decreasing in the effluent from hydraugers that drain the plume area (Table 9), with all concentrations below MCLs since May 2006. Concentration trends for VOCs detected in hydrauger effluent are plotted on Figure 23.

MCLs are the applicable MCSs for the plume. Although concentrations of VOCs detected in groundwater have decreased significantly, cis-1,2-DCE and vinyl chloride still exceed MCLs in the source area.

### 4.1.2 Building 51/64 Groundwater Solvent Plume

*Description*

The Building 51/64 Groundwater Solvent Plume extends south and west from the southeast corner of Building 64 toward the former location of Building 51B. The location of the plume is included on Figure 19, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Bevalac Area. Figure 24 is an isoconcentration contour map of total halogenated hydrocarbons for the plume source area. Groundwater elevation contours for the Building 51/64 plume area are included on Figure 20.

The principal plume constituents are halogenated VOCs and their associated degradation products. Prior to the source area soil excavation ICM and soil flushing in the source area, the principal plume constituent was 1,1,1-trichloroethane (TCA), which had a maximum concentration of approximately 700,000 µg/L. Currently 1,1-dichloroethane (DCA), a degradation product of TCA is the primary plume constituent in the source area. Other plume constituents include TCE, PCE, and degradation products such as 1,1- DCE, cis-1,2-DCE, and vinyl chloride. The principal source of the plume was likely the Building 51/64 Former Temporary Equipment Storage Area, although other sources in the Building 51/64 area may also have contributed to the groundwater contamination.

*Corrective Measures*

The corrective measures required for the Building 51/64 plume include *in situ* soil flushing in the upgradient portion of the plume, and MNA/enhanced bioremediation in the downgradient portion of the plume. In addition, HRC is being injected into two wells (IW64-06-2 and IW64-06-3) that are located in the core area of the Building 51/64 plume in order to enhance the natural biodegradation processes. The locations of the wells are shown on Figure 24.

The location and layout of the Building 51/64 *in situ* soil-flushing system is shown on Figure 24. The system is designed to flush contaminants from the subsurface in the source area. Treated water is injected into a trench inside Building 64 (Building 64 Injection Trench) and is extracted from two groundwater collection trenches outside the building (Building 64 and Building 64 Southeast Groundwater Collection Trenches), from the gravel-filled source-area ICM excavation, and from well SB64-05-4, all located around the southern end of Building 64. Groundwater is also extracted from wells inside the building, including SB64-98-8, SB64-99-5, and SB64-99-4. Most of the extracted groundwater is treated at the Building 64 Treatment System and is then recirculated to the injection trench. Groundwater extracted from well EW64-00-1 within the backfilled source area ICM excavation is treated at the Building 51 Treatment System and discharged to the sanitary sewer or recirculated for soil flushing purposes.

In 2007, four groundwater extraction wells were installed to better control potential plume migration. Extraction wells EW51-07-1 and EW51-07-2 were installed at the north end of Building 51 (Figure 24) and extraction wells EW51B-07-1 and EW51B-07-2 were installed downgradient from the plume core area (Figure 19).

A sump that was located in the former Building 51 Motor Generator Room Basement collects effluent from the subdrain system in the area where Building 51 was located. When Building 51 was demolished, a manhole was constructed at the sump location to maintain access to the sump. The water collected at the sump is pumped to the Building 51 Treatment System to prevent the discharge of potentially contaminated subdrain water to surface water. The configuration of the drainage system is shown on Figure 25.

*Effectiveness of Corrective Measures*

The Building 51/64 Groundwater Solvent Plume appears to be stable in extent and diminishing in mass in that contaminant concentrations detected in most wells monitoring the plume have declined over the past several years of monitoring. Concentration trends of total halogenated VOCs detected in wells monitoring the plume are plotted on Figures 26a and 26b for the source area, Figure 27 for the upgradient core area, Figure 28 for the central core and downgradient areas, Figures 29a and 29b for the crossgradient areas, and Figure 30 for the downgradient periphery.

As can be seen on Figures 26a and 26b, the source removal ICM together with ongoing *in situ* soil flushing have significantly reduced VOC concentrations in the source area. Except for two multi-port wells (SB64-02-1 and SB64-02-2) inside Building 64, the maximum concentration of total VOCs detected in the source area has decreased from more than 700,000 µg/L prior to the source area ICM excavation to approximately 100 µg/L or less. The multi-port wells were constructed with very short (approximately 1 foot) screened intervals in order to target specific permeable zones within the bedrock, and are therefore not representative of the water-bearing unit as a whole. The maximum concentration of total VOCs detected in the multi-port wells during the current reporting period was 1,014 µg/L, which consisted primarily of 1,1-DCA (646 µg/L). The maximum detection occurred in the shallowest screened interval of SB64-02-1

Significant reductions in VOC concentrations have been observed in source area (Figure 26a and Figure 26b), upgradient core area (Figure 27), and core area (Figure 28) wells as a result of soil flushing; however, the rate of reduction has decreased in in recent years. The major decline in concentrations detected in MW51-96-16 and MW51-96-17 in 2006 and 2007 is the result of HRC injection, which was started in May 2006 immediately upgradient from the wells (Figure 28).

Concentrations of VOCs detected in downgradient core area wells (MW51-97-12 and MW51-97-3) have been relatively stable, averaging slightly less than 100 µg/L total VOCs (Figure 28). Concentrations of VOCs in crossgradient wells are variable, depending on their locations relative to the plume; though generally concentrations have been relatively stable or have shown decreasing trends since soil flushing was started (Figure 29a and Figure 29b). Concentrations of VOCs in groundwater extraction well EW51-07-2 have been increasing (Figure 29a), likely as a result of drawing groundwater with higher levels of contamination from the area near adjacent extraction well EW51-07-1.

Concentrations of VOCs in wells in the downgradient plume periphery have been declining, with concentrations in three of the four wells monitored (MW51-00-8, MW63-98-18, and MW56-98-2) decreasing to levels below MCLs (Figure 30).

TRBMCSs are the applicable MCSs in the plume source and core areas. Although concentrations of VOCs have decreased significantly in these areas, vinyl chloride still exceeds the TRBMCS of 12 µg/L (48 µg/L maximum in multi-port well SB64-02-1 and 13 µg/L in MW51-96-16 during the current reporting period).

Regulatory-based MCSs (MCLs) are the applicable MCSs in the downgradient core and downgradient areas. Several VOCs exceed the applicable MCS (MCLs) in downgradient area wells (i.e. MW51-97-3, MW51-97-12, MW51-97-13) including 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and vinyl chloride. To assess the potential effectiveness of natural processes in reducing contaminant concentrations to MCLs, the applicable MCS in the downgradient area, groundwater samples are collected annually from four wells (MW51-96-16, MW51-96-17, MW51-97-12, and MW51-97-13) and analyzed for hydrochemical parameters indicative of the potential for biodegradation. Hydrochemical indicator parameter sampling results for FY12 are provided in Table 17, which highlights results that indicate conditions favorable for natural attenuation. The generally high concentrations of methane and ferrous iron and low concentrations of nitrate, sulfate, and dissolved oxygen measured in the four wells indicate conditions favorable for biodegradation. The detection of VFAs in MW51-96-16, MW51-96-17, and MW51-97-12 indicates that injected HRC is being metabolized to VFAs and that biodegradation through oxidation has occurred.

### 4.1.3 Building 51L Groundwater Solvent Plume

*Description*

The Building 51L Groundwater Solvent Plume is located west of Building 51 in the area where Building 51L was previously located. Isoconcentration contours for total halogenated VOCs in the Building 51L plume area are shown on Figure 19. A groundwater elevation map for the Bevalac Area, including the Building 51L plume area, is shown on Figure 20. The principal plume constituents are TCE and cis-1,2-DCE.

The primary source of the groundwater contamination appears to have been solvent spills in the former area of Building 51L that occurred prior to construction of the building. PCE (21 mg/kg maximum) and TCE (24 mg/kg maximum) were detected in soil samples collected beneath the building. An additional source were releases from the Building 51A abandoned storm drain and abandoned catch basin, which are located upgradient from the former Building 51L area beneath the former location of Building 51A. This area is discussed further in Section 4.3.

*Corrective Measures*

The primary corrective measure implemented for the Building 51L plume was the excavation of contaminated soil in 2006 from under the area where Building 51L had been located. Groundwater extraction well EW51L-06-1 was installed within the excavation backfill near the deepest corner of the excavation. In addition, the storm drain line that passed through the plume area was reconstructed above the water table to eliminate a potential pathway for the migration of contaminated groundwater to surface water through the storm drain system.

Contaminated soil in the bottom of the abandoned Building 51A catch basin was removed in 2002. At the end of 2006, groundwater extraction well EW51A-06-1 was installed at the abandoned catch basin location.

*Effectiveness of Corrective Measures*

The Building 51L Groundwater Solvent Plume appears to be stable in extent and diminishing in mass, in that the concentrations of VOCs detected in the groundwater within the main plume area (EW51L-06-1) have decreased significantly since excavation of the contaminated source area soil. The maximum concentration of total VOCs detected in wells monitoring the main

Building 51L plume area has declined from more than 1,000 µg/L prior to excavation of contaminated source-area soils to less than approximately 20 µg/L currently. Prior to excavation, the concentration of vinyl chloride exceeded the TRBMCS, the applicable MCS for the Building 51L plume. Currently, all VOC concentrations are less than TRBMCSs.

Concentration trends for total halogenated VOCs detected in groundwater extraction wells EW51L-06-1 and EW51A-06-1 are shown on Figure 31. After declining from more than 2,000 µg/L to approximately 200 µg/L in 2008, the concentration of total VOCs detected in EW51A-06-1 has remained relatively stable. The concentration of total VOCs detected in EW51L-06-1 has been relatively stable, at approximately 20 to 30 µg/L.

### 4.1.4 Old Town Groundwater Solvent Plume - Building 7 Lobe

*Description*

The Building 7 lobe of the Old Town Groundwater Solvent Plume extends northwestwards from the northwest corner of Building 7 to the parking area downslope from Building 58. The location of the plume is shown on Figure 32, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Old Town Area. Figure 33 shows isoconcentration contours of total halogenated VOCs for the source and core areas of the Building 7 lobe. The groundwater elevation contours for the Building 7 lobe are shown on Figure 34.

The principal lobe constituents are halogenated VOCs including PCE and carbon tetrachloride, and their associated degradation products (e.g. TCE, 1,1-DCE, cis-1,2-DCE, and vinyl chloride). Leaks and/or overflows of halogenated hydrocarbons (primarily PCE) from an abandoned sump (the Former Building 7 Sump) were the source of the contamination.

*Corrective Measures*

In 2006, approximately 460 cubic yards of contaminated soil was removed from the Building 7 lobe source area as the approved corrective measure for soil. The soil was excavated by drilling with large diameter (48-inch maximum) augers to a maximum depth of 52.5 feet. The extent of excavation is shown on Figure 33.

The corrective measures required for the Building 7 lobe groundwater include *in situ* soil flushing in the source and core areas, and MNA in the peripheral plume area that extends through

the southern end of Building 58. A soil-flushing system was installed to flush contaminants from the subsurface in the source and upgradient core areas and to control migration of contaminated groundwater in downgradient areas. The location and layout of the system is shown on Figure 33. The principal components of the system, which was completed in several stages from 1996 to 2004 as ICMs, include the following:

- Excavation of the Building 7 Sump
- Construction of the Building 7 Collection Trench downgradient from the plume source area (Former Building 7 Sump)
- Construction of the Building 7 Soil Flushing Injection Trench and extraction well system
- Installation of dual-phase extraction wells (Building 53/58 Slope Collection Trench) on the Building 53/58 Slope
- Construction of the Building 58 East Collection Trench and installation of extraction well EW58-07-1 near the southeast corner of Building 58
- Construction of the Building 58 West Collection Trench at the downgradient lobe margin

In addition to the soil-flushing systems described above, water is pumped from a concrete sump (SB58-98-4) that was installed adjacent to an abandoned corrugated metal pipe subdrain west of Building 58 to prevent migration of contaminated water to surface water via the drain system.

Groundwater extracted from the trenches and extraction wells is primarily treated at the Building 7 Treatment System. The groundwater extracted from the collection trench west of Building 58 and from SB58-98-4 is treated at the Building 51 Firetrail Treatment System. The treated water is reinjected into the subsurface for soil flushing purposes.

*Effectiveness of Corrective Measures*

The Building 7 lobe appears to be stable in extent and diminishing in mass, in that most wells monitoring the plume source and core areas have shown significant declines in VOC concentrations, and downgradient area wells have generally shown declining or relatively constant concentrations. Concentration trends for total halogenated VOCs detected in groundwater samples

collected in wells monitoring the plume are shown on Figure 35a for the source area**,** Figure 35b for the core area, and Figure 35c for the downgradient and crossgradient areas**.**

*In situ* soil flushing has significantly reduced VOC concentrations in the source and core areas of the Building 7 lobe. The maximum concentration of total VOCs detected in source area monitoring wells has declined from more than 100,000 µg/L to approximately 100 µg/L or less (Figure 35a). However, the concentration of total VOCs still remains above 1,000 µg/L near the source location, as indicated by results from extraction well EW7-06-1, where VOCs were detected at a maximum total concentration of 2,108 µg/L during the current reporting period. In the core area, the maximum concentration of total VOCs detected has declined from 100,000 µg/L to approximately 5,000 µg/L or less (Figure 35b). Concentrations of VOCs in most crossgradient and downgradient wells have also been declining (Figure 35c).

Concentration trends for individual Building 7 lobe VOCs (PCE, TCE, carbon tetrachloride, and vinyl chloride) are shown on Figure 36a and Figure 36b for source area wells, Figure 37a and Figure 37b for upgradient core area wells, and Figure 38a and Figure 38b for downgradient core area wells. The figures show significant declines in the concentrations of VOCs in most wells, with concentrations declining to levels below MCLs at some locations. At most locations monitored, concentrations of all VOCs have declined to levels below TRBMCSs, the applicable MCSs for the source and core areas of the Building 7 lobe. However, concentrations of PCE, TCE, and/or carbon tetrachloride still remain above TRBMCSs in a few source and core area wells. The locations where TRBMCSs were exceeded during the current reporting period are listed in the following table.

**Maximum Concentrations of Volatile Organic Compounds Detected in Groundwater at Concentrations above Risk-Based MCSs: Old Town Groundwater Solvent Plume Building 7 Lobe**

| Well Number | Location | PCE | TCE | Carbon Tetrachloride |
|---|---|---|---|---|
| | | µg/L | | |
| | Target Risk-Based MCS | 343 | 1594 | 27 |
| | Upper Limit Risk-Based MCS | 25,265 | 3,065[(a)] | 1,004 |
| MP7-99-2BR | Upgradient Core | 3,480 | | 36 |
| MW58-96-11 | Downgradient Core | 529 | | |
| MW58-00-12 | Downgradient Core | 2,450 | 1,820 | 116 |
| EW7-06-1 | Source Area | 1,870 | | |

[(a)] Applicable MCS where depth to groundwater is less than 20 feet.

The exposure pathway for the risk-based MCSs is volatilization of groundwater VOCs, subsequent migration into indoor air, and inhalation by potential future indoor workers. However, no buildings currently overlie the areas where the risk-based MCSs are exceeded, and based on past indoor air sampling results there is no risk to current workers in adjacent buildings.

To assess the potential effectiveness of natural processes in reducing contaminant concentrations to MCLs, the applicable MCS in the periphery of the downgradient area, groundwater samples are collected annually from monitoring wells MW58-93-3 and MW58A-94-14 and analyzed for hydrochemical parameters indicative of the potential for biodegradation. Hydrochemical indicator parameter sampling results for FY12 are provided in Table 17, which highlights results that indicate conditions favorable for natural attenuation. Prior to FY10 the hydrochemical indicator parameters were not in the optimum range in the downgradient periphery plume area. However, concentrations of methane and nitrate detected in MW58A-94-14 in FY10 and FY11 suggest that subsurface conditions in the downgradient portion of the lobe may have become favorable for natural attenuation. This conclusion is supported by FY12 results that show concentrations of dissolved oxygen and nitrate in both MW58-93-3 and MW58A-94-14 are in the optimum range for biodegradation.

### 4.1.5 Old Town Solvent Plume - Building 52 Lobe

*Description*

The Building 52 lobe of the Old Town Groundwater Solvent Plume extends northwest from the area east of Building 52 to the east edge of Building 46, where the contaminated groundwater is captured by a subdrain that was installed in the 1950s as a landslide mitigation measure (Building 46 subdrain). The location of the Building 52 lobe is shown on Figure 32. Groundwater elevation contours for the Building 52 lobe area are shown on Figure 34.

The principal lobe constituents have been halogenated VOCs (e.g. PCE and carbon tetrachloride), and their degradation products (e.g. TCE, 1,1-DCE, cis-1,2-DCE, and chloroform). Several of the primary plume constituents were detected in soil samples collected east of Building 52A, suggesting that a release in this area may have constituted the primary plume source. Soil in this area was previously excavated and disposed of offsite as an ICM.

*Corrective Measures*

The corrective measure required for the Building 52 lobe is *in situ* soil flushing. The components of the *in situ* soil-flushing system include eight injection wells (IW5-04-1, IW5-04-2, MW52A-98-1, IW53-09-1, IW53-09-2, MW91-9, IW27-04-1, and MW91-8) and three groundwater extraction wells within the lobe area (MW52A-98-8B, MW52-95-2B, and EW53-04-2). The specific wells used for injection and extraction are occasionally modified to optimize operation of the system. The downgradient migration of the Building 52 lobe is controlled by extraction of groundwater from the Building 46 subdrain.

Extracted groundwater is treated at the Building 53 Treatment System and the Building 46 Treatment System, depending on the location of the extracted water. The groundwater treated by the Building 53 and Building 46 systems is recirculated to the active injection wells for continued flushing. The locations of the wells, subdrain, and treatment systems are shown on Figure 32 and Figure 33.

*Effectiveness of Corrective Measures*

The magnitude and extent of groundwater contamination in the Building 52 lobe have been decreasing. As shown on Figure 39, concentrations of total halogenated VOCs detected in wells monitoring the Building 52 lobe have shown significant reductions as a result of *in situ* soil flushing. Concentrations of total VOCs in source and core area wells have declined from approximately 200 to 300 µg/L to less than 10 µg/L. Concentration trends for individual Building 52 lobe VOCs (PCE, TCE, cis-1,2-DCE, 1,1-DCE, carbon tetrachloride, and chloroform) are shown on Figure 40a, Figure 40b, and Figure 40c for source area wells, and on Figure 41a, Figure 41b, and Figure 41c for core and downgradient area wells. As can be seen on the figures, soil flushing in the source area has reduced concentrations of VOCs to levels below regulatory-based MCSs (MCLs), the applicable MCSs for the Building 52 lobe. Some rebound was observed in VOC concentrations during the two periods when soil flushing was suspended (October 2008 to January 2009 and September 2009 to February 2010), including the rebound of PCE and TCE to levels slightly above the MCL.

### 4.1.6 Old Town Solvent Plume - Building 25A Lobe

*Description*

The Building 25A lobe of the Old Town Groundwater Solvent Plume encompasses two subplumes of groundwater contamination, containing different suites of VOCs, which are likely derived from different sources. The main Building 25A subplume extends westwards from the western portion of Building 25A to the eastern edge of Building 6. The principal constituents of the main subplume are halogenated VOCs, including TCE and its degradation products (e.g. 1,1-DCE and cis-1,2-DCE). The source area of this contamination appears to have been beneath the western ends of the former location of Building 25 and/or Building 25A. In addition, carbon tetrachloride and PCE, which are derived from a separate source, have been detected in the two wells (MW25-95-5 and MW25-98-10) south of Building 25 and at a former well location (MW25-95-26) on the southeast side of the building (Building 25 subplume). PCE has also been detected as the only VOC in well MW26-92-11, northeast of the former location of Building 25A. The location of the Building 25A lobe is shown on Figure 32. Groundwater elevation contours for the Building 25A lobe area are shown on Figure 34.

*Corrective Measures*

The corrective measure required for the Building 25A subplume is *in situ* soil flushing. The *in situ* soil-flushing system consisted of a groundwater extraction trench west of Building 25A, a gravel-filled infiltration bed upgradient of the trench, and groundwater extraction well MW25A-98-3 located north of Building 25A. The groundwater collection trench controlled the migration of contaminated groundwater from the Building 25A lobe source area. The extracted groundwater was treated at the Building 25A Treatment System and then was injected into the infiltration bed.

Modification of the system was required due to the demolition of Buildings 25A and 25 and planned construction of the Solar Energy Research Center (SERC) at the former Building 25A location. The *Workplan for Proposed Modification of the Building 25A In Situ Soil Flushing System* (LBNL, 2011) was submitted to the DTSC in September 2011. DTSC approved the Workplan on September 28, 2011. The modifications consist of the proper destruction of six wells, the installation of two replacement groundwater monitoring wells, the replacement of the

groundwater extraction well in the groundwater collection trench with an injection well, and the installation of three new groundwater extraction wells.

The modifications will enhance the soil flushing system by addressing the area of elevated concentrations (>100 µg/L) of halogenated VOCs in the groundwater near the northwest end of the former Building 25 location. This will be accomplished by installing three groundwater extraction wells immediately south of the area of elevated groundwater concentrations. Water extracted from the wells will be treated at the Building 25A treatment system and then injected into the collection trench.

On September 18, 2012, extraction of groundwater from the collection trench and injection of treated water into the injection bed were terminated. On September 27 and September 28, 2012, the following six wells were properly destroyed:

- MW25A-96-15
- MW25A-98-1
- MW25A-98-3
- MW25A-98-7
- MW25A-99-2
- SB25A-96-3

Well destruction was accomplished by overdrilling each well with hollow stem augers, removing all of the well construction materials, and then backfilling each hole with cement grout.

On September 27, 2012, injection well IW30-12-1 was installed in the gravel filled collection trench. The injection well consists of 20 feet of 6-inch diameter Schedule 40 PVC casing with the bottom 10 feet slotted (0.02 inch). In August and September 2012, the three new groundwater extraction wells (EW30-12-1, EW30-12-2, and EW30-12-3) were installed. The construction details for the new extraction wells are provided in the following table.

**Extraction Well Construction Details**

| Well Number | Completion Date | Casing[(a)] Diameter (inches) | Borehole Diameter (inches) | Total Depth (feet) | Screen[(b)] interval (feet below ground surface) |
|---|---|---|---|---|---|
| EW30-12-1 | 9/22/12 | 5 | 24 | 38 | 22-37 |
| EW30-12-2 | 8/18/12 | 5 | 24 | 46 | 25-45 |
| EW30-12-3 | 8/18/12 | 5 | 24 | 48 | 26.4 to 46.4 |

(a) Schedule 40 PVC

(b) 0.02-inch slot size

The locations of the abandoned wells, the new groundwater injection and extraction wells, the collection trench, and treatment system are shown on Figure 32.

In addition to the *in situ* soil flushing described above, contaminated groundwater that is present in an electrical utility manhole east of Building 6 (in the downgradient lobe area) is pumped to the Building 6 Treatment System as a component of the required corrective measures for the Building 25A subplume. This measure prevents the migration of contaminated groundwater through electrical conduits to the Building 37 area.

*In situ* soil flushing has also been implemented for the Building 25 subplume. The *in situ* soil-flushing system consists of extraction of groundwater from MW25-95-5, treatment at the Building 25 Treatment System, and then injection of the treated water into MW25-98-10. The locations of the wells and treatment system are shown on Figure 32.

*Effectiveness of Corrective Measures*

The Building 25A lobe appears to be stable in extent and diminishing in contaminant mass, in that contaminant concentrations detected in most wells monitoring the plume have remained relatively constant or have declined over the past several years of monitoring.

*Building 25A Subplume*

Concentration trends for total halogenated VOCs detected in wells monitoring the Building 25A subplume are shown on Figure 42a and Figure 42b for the source and downgradient areas respectively. As shown on the figures, *in situ* soil flushing west of Building 25A has resulted in reductions in the concentrations of VOCs detected in most wells monitoring the source and downgradient areas of the subplume, with concentrations declining to levels below MCLs in some source area wells. An exception is SB25A-96-3, where the concentration of total VOCs has remained relatively stable at approximately 160 µg/L since 2010, after increasing from approximately 50 µg/l in 2001. The modifications to the Building 25A *in situ* soil flushing system described above should help reduce VOC concentrations in groundwater at the southern edge of the source area where SB25A-96-3 is located (Figure 32).

Concentration trends for individual Building 25A subplume VOCs (TCE, cis-1,2-DCE, and 1,1-DCE) are shown on Figure 43a and Figure 43b for source area and downgradient area wells, respectively. As can be seen on the figures, soil flushing has reduced the concentrations of VOCs

in most source area and downgradient area wells, with the concentration of TCE and 1,1-DCE declining to levels below the MCL in some wells.

TCE exceeds the regulatory-based MCS (MCL) in several source area, and some downgradient area, wells and 1,1-DCE exceeds the MCL in SB25A-96-3. However, concentrations of all VOCs are substantially less than target risk-based MCSs throughout the plume area. Target risk-based MCSs are the applicable MCSs in the source and downgradient Building 25A subplume areas.

*Building 25 Subplume*

Because of construction of the General Purpose Laboratory (GPL) at the former Building 25 location, access to the two wells monitoring this subplume (MW25-98-10 and MW25-95-5) has been limited. MW25-95-5 was sampled once during the current reporting period and MW25-98-10 could not be sampled.

Concentration trends for total halogenated VOCs detected in wells monitoring the Building 25 subplume are shown on Figure 44. Concentration trends for individual Building 25 subplume VOCs (PCE, TCE, and carbon tetrachloride) are shown on Figure 45. As shown on the figures, *in situ* soil flushing south of Building 25 has resulted in significant reductions in the concentrations of VOCs detected in wells monitoring the subplume. Concentrations of all VOCs have been reduced to levels below regulatory-based MCSs (MCLs), the applicable MCSs for the Building 25 subplume.

The concentration of PCE, which is the only VOC detected in MW26-92-11, has decreased in that well from 15 to 20 µg/L prior to 1996 to approximately 7 to 10 µg/L currently (7.5 µg/L during the current reporting period) (Table 6-1). The MCL for PCE is 5 µg/L.

### 4.1.7 Building 69A Area of Groundwater Contamination

*Description*

The location of the Building 69A Area of Groundwater Contamination is shown on Figure 46, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Support Services Area. The groundwater level elevation map for the Support Services Area is shown on Figure 47.

The principal groundwater contaminants are degradation products (e.g., cis-1,2-DCE and vinyl chloride) of halogenated VOCs. A possible source of the contamination was leakage from a pipeline in the Building 69A Hazardous Materials Storage and Delivery Area that drains to the Building 69A Storage Area Sump. A dislocation observed in one of the sump drainpipes was repaired in 1987.

*Corrective Measures*

The corrective measure required for the Building 69A Area of Groundwater Contamination is MNA. In addition, from May 2006 to November 2007, HRC was injected into two injection wells (IW69A-06-1 and IW69A-06-2) in order to enhance the natural biodegradation processes. The locations of the wells are shown on Figure 46.

*Effectiveness of Corrective Measures*

The Building 69A Area of Groundwater Contamination appears to be stable, in that contaminant concentrations detected in wells monitoring the plume have remained relatively constant or have declined over several years of monitoring. Concentration trends for individual VOCs (vinyl chloride and cis-1,2-DCE) detected in the three wells monitoring the Building 69A Area of Groundwater Contamination are shown on Figure 48. Concentrations of all VOCs were less than TRBMCSs, the applicable MCSs for the Building 69A Area of Groundwater Contamination during the current reporting period. In addition, the concentrations of cis-1,2-DCE in two of the three wells monitoring the 69A area groundwater contamination were below MCLs during the current reporting period.

Concentrations of cis-1,2-DCE declined to levels below the MCL in 2006 and 2007 during the period of HRC injection, but have rebounded to levels that fluctuate above and below the MCL level since HRC injection was halted. The concentration of vinyl chloride in SB69A-99-1 showed a significant decline during the period of HRC injection and although the concentration has rebounded somewhat in recent years, the concentration remains well below the concentrations that were present prior to HRC injection.

To assess the potential effectiveness of natural processes in reducing contaminant concentrations to TRBMCSs, the applicable MCSs for the Building 69A Area of Groundwater Contamination, groundwater samples are being collected annually from three wells (MW69-97-8,

SB69A-00-1, and SB69A-99-1) and analyzed for hydrochemical parameters indicative of the potential for biodegradation. Hydrochemical indicator parameter sampling results for FY12 are provided in Table 17, which highlights results that indicate conditions favorable for natural attenuation. The relatively high concentrations of methane and ferrous iron and low concentrations of nitrate, dissolved oxygen, and sulfate measured in the wells indicate conditions favorable for biodegradation. The high levels of VFAs measured in all three wells indicate that injected HRC is being metabolized to VFAs and biodegradation through oxidation has occurred.

## 4.2 GROUNDWATER UNITS REQUIRING ONLY MONITORING

As described above, LBNL is monitoring groundwater at three units in the Support Services Area where corrective measures are not required (Building 76, Building 75/75A, and Building 77) to record progress toward achieving the long-term site-wide goal of MCLs. The locations of these three areas are shown on Figure 46, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Support Services Area. Concentrations of VOCs in the groundwater in two of these areas (Building 76 and Building 77) are below target risk-based MCSs, the applicable MCSs for all three areas. The concentration of vinyl chloride in a well that was installed in the Building 75/75A source area in 2009 has been above the target risk-based MCS since March 2010. These three units are discussed in more detail below.

### 4.2.1 Building 76 Groundwater Solvent Plume

The Building 76 Groundwater Solvent Plume extends approximately 100 feet southwards from the motor pool area on the south side of Building 76. The principal plume constituent is TCE and its degradation products (e.g. cis-1,2-DCE). The Building 76 Motor Pool Collection Trenches and Sump are suspected to be the primary sources of contamination. However, the source has not been confirmed.

The Building 76 Groundwater Solvent Plume appears to be stable, in that contaminant concentrations in wells monitoring the plume have declined over the past several years of monitoring (Figure 49). Additional evidence of the stability of the plume is provided by the fact that no VOCs have been detected in downgradient monitoring well MW76-98-22 since March 2001. TCE remains in the groundwater at concentrations above the MCL.

### 4.2.2 Building 75/75A Area of Groundwater Contamination

There are two relatively small areas where halogenated VOCs have been detected in the groundwater near Buildings 75 and 75A. One area extends southward from the east side of Building 75A towards Building 75 and consists primarily of cis-1,2-DCE, TCE, and vinyl chloride. The other area is located between Building 75 and 75A and consists primarily of 1,1-DCE. The two areas may commingle near the northeast corner of Building 75. The contamination may be related to operations of the Building 75 Former Hazardous Waste Handling and Storage Facility; however, a specific source has not been identified.

The Building 75/75A Area of Groundwater Contamination appears to be stable, in that contaminant concentrations in wells monitoring the plume have remained relatively constant over the past several years of monitoring (Figure 49). Cis-1,2-DCE, vinyl chloride, and TCE were detected at concentrations above MCLs – but below TRBMCSs – during the current reporting period. The relatively high concentrations of cis-1,2-DCE and vinyl chloride detected relative to TCE indicate reductive dechlorination by natural attenuation processes is likely occurring.

### 4.2.3 Building 77 Area of Groundwater Contamination

A relatively small area of halogenated VOC contaminated groundwater is located south of Building 77 near MW91-2. Concentration trends for total halogenated VOCs detected in MW91-2 are shown on Figure 49. Concentrations of both total VOCs and the individual chemicals have consistently declined since 1992, with concentrations of all VOCs detected – except cis-1,2-DCE – decreasing to levels below the detection limit. Cis-1,2-DCE concentrations have been below the MCL (6.0 µg/L) since February 2008.

## 4.3 RECENTLY IDENTIFIED GROUNDWATER CONTAMINATION IN THE FORMER BUILDING 51 AREA

The Building 51 and Bevatron Demolition Project, which began in 2010, consisted of the demolition, deactivation, and disposal of the Building 51 structure and contents, including the shallow foundations, shield blocks, and the Bevatron accelerator housed within the building. Following demolition, the site was backfilled to grade with clean soil. These activities were completed in February 2012. In April 2012, most of the former Building 51 area was paved with asphalt. The site is currently used as an employee parking area, a contractor staging area, and a temporary stockpile area for clean soil for LBNL construction projects.

Between September 2010 and February 2012, LBNL investigated potential subsurface contamination beneath the Building 51 Demolition Project area. During these investigations, VOC-contaminated soil and groundwater were detected in two discrete areas: 1) under the former Building 51 Vacuum Pump Room (Room 10) area and 2) beneath the former location of Building 51A. The locations of these two areas are shown on Figure 19. On March 27, 2012, LBNL representatives met with the DTSC at their Berkeley office to provide a comprehensive presentation of the results of the investigations completed in both of these areas. Subsequently, the draft *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project* was submitted to the DTSC on April 27, 2012, with copies provided to the Water Board and the City of Berkeley. LBNL revised the draft report in accordance with comments provided by DTSC in July and submitted the final report to DTSC on August 6, 2012 (LBNL, 2012b).

### 4.3.1 Former Building 51A Area

Between January 31 and February 2, 2012, seven temporary groundwater sampling points (SB51A-12-1 through SB51A-12-7) were installed in the former Building 51A area. Their locations are shown on Figure 19 and Figure 50. Concentrations of VOCs detected in groundwater samples collected from the temporary sampling points are provided in Table 5-4. Isoconcentration contour maps of total halogenated hydrocarbons detected in groundwater are shown on Figure 19 for the entire former Building 51 area and in detail on Figure 50 for the former Building 51A area.

The maximum concentration of total VOCs detected in groundwater in the former Building 51A area during the current reporting period was 15,337 µg/L in SB51A-12-1. TCE (10,400 µg/L maximum), carbon tetrachloride (4,270 µg/L maximum), and PCE (442 µg/L maximum) were detected at concentrations above TRBMCSs and MCLs. In addition, chloroform, cis-1,2-DCE, and vinyl chloride were detected at concentrations above MCLs.

In contrast to the relatively high concentrations of VOCs detected in SB51A-12-1 and SB51A-12-5 (14,142 µg/L), VOCs were detected at a maximum total concentration of 7.1 µg/L in SB51A-12-7. SB51A-12-1 and SB51A-12-5 are screened from approximately 10 to 25 feet below ground surface (bgs) in artificial fill and colluvium. SB51A-12- 7, which is between and

within approximately 15 feet of both SB51A-12-1 and SB51A-12-5, was screened from 35 to 45 feet bgs in the underlying bedrock to help assess the vertical extent of the Building 51A area groundwater contamination. The relatively low concentrations of VOCs detected in SB51A-12-7 indicate that the vertical extent of the groundwater contamination is limited primarily to the fill.

As shown on Figure 50, the lateral distribution of contaminated groundwater generally follows the alignment of the abandoned Building 51A storm drain segment, indicating that releases from the abandoned storm drain were the likely source of the groundwater (and soil) contamination in the former Building 51A area (LBNL, 2012b). Groundwater contamination flowing from the Building 51A source area merges downgradient with the Building 51L Groundwater Solvent Plume, where the water is captured by extraction wells EW51A-06-1 and EW51L-06-1.

### 4.3.2 Former Building 51 Vacuum Pump Room Area

The locations of temporary groundwater sampling points in the former Building 51 Vacuum Pump Room area (SB51-11-3, -9, -10, -11, -17, -18, and -19) and an observation well (OC51-11-1) that was installed to monitor water levels in the backfilled Bevatron Air Duct shafts are shown on Figure 19 and in detail on Figure 51. Concentrations of VOCs detected in groundwater samples collected from the temporary sampling points and the observation well are provided in Table 5-4. Isoconcentration contour maps of total halogenated hydrocarbons detected in groundwater are shown on Figure 19 for the entire former Building 51 area and in detail on Figure 51 for the former Vacuum Pump Room area.

The maximum concentration of total VOCs detected in the groundwater in the former Vacuum Pump Room area was 132,960 µg/L in the initial (predevelopment) sample collected from SB51-11-9. This sampling point is located in the apparent source area for the groundwater contamination, as indicated by the detection of the maximum concentration of TCE (230 mg/kg) in Vacuum Pump Room area soil samples in a sample from the SB51-11-9 boring. The concentrations of VOCs detected in groundwater samples collected from SB51-11-9 have decreased significantly since the initial sampling. TCE and vinyl chloride were detected at concentrations above TRBMCSs and MCLs during the current reporting period. In addition, cis-1,2-DCE, 1,1-DCA, and 1,1-DCE were detected at concentrations above MCLs.

Although the original scope of the Building 51 and Bevatron demolition project included completely removing the concrete Air Duct walls and floors, discovery of the contamination described above prompted a decision to leave the easternmost floor and wall sections (approximately 10 to 25 feet) in place to help reduce the rate of post-demolition migration of contaminated groundwater from the Vacuum Pump Room area into the Air Duct shaft and Wind Tunnel backfill. However, subsequent to backfilling of the Air Duct shafts and capping of the Air Duct floor drain system, the groundwater level in the backfill at the eastern end of the Air Duct shafts has risen to within a few feet of the current ground surface. Contaminated groundwater has migrated westwards within the Air Duct backfill as shown by groundwater samples collected from observation well OC51-11-1, which was installed in the backfill. It is not known how far westward contaminated groundwater has migrated. However, the contaminated groundwater is likely captured by the replacement Wind Tunnel subdrain system, which is routed to the Building 51 Motor Generator Room treatment system. The location of OC51-11-1, the Air Ducts, the remaining Air Duct walls and floor area, and the replacement Wind Tunnel subdrain system are shown on Figure 25.

LBNL submitted the draft *Interim Corrective Measures Workplan to Control the Migration of Contaminated Groundwater at the Bevatron Demolition Project Site* to the DTSC on April 18, 2012. The draft Workplan was revised in accordance with DTSC's July 3, 2012 comments and resubmitted as final on August 15, 2012 (LBNL, 2012c). The purpose of the proposed ICM is to mitigate the downgradient migration of contaminated groundwater. LBNL has not yet received formal approval to construct the ICM.

## 4.4 GROUNDWATER TREATMENT SYSTEMS

Extracted groundwater and contaminated effluent from drain lines and hydraugers is treated to non-detectable levels of VOCs at granular activated carbon (GAC) treatment systems. To date more than 140 million gallons of contaminated groundwater have been extracted and treated. Most of the treated water is reinjected into the subsurface for soil flushing purposes. The remainder, which is not needed for flushing, is discharged to the sanitary sewer in accordance with the provisions of LBNL's Wastewater Discharge Permit issued by EBMUD. The following table summarizes the volumes of water treated at each GAC treatment system and the disposition of the treated water.

## Summary of Treatment Systems

| Treatment System | Volume Treated Third and Fourth Quarters FY12 (gallons) | Total Volume Treated to Date (gallons) | Discharge/Reuse |
|---|---|---|---|
| Building 6 Bioventing[(a)] | 221,362 | 6,683,974 | Recirculated or sanitary sewer |
| Building 7 Trench[(a)] | 2,030,284 | 33,386,636 | Recirculated or sanitary sewer |
| Building 25 | 97,614 | 1,828,730 | Recirculated |
| Building 25A[(a)] | 509,651 | 5,628,186 | Recirculated |
| Building 37* | 0 | 1,818,711 | |
| Building 46 [(a)] | 1,339,825 | 32,545,762 | Recirculated or sanitary sewer |
| Building 51 Firetrail [(a)] | 938,711 | 20,116,865 | Recirculated or sanitary sewer |
| Building 51 Hydraugers** | 0 | 9,482,665 | |
| Building 51 MGR Basement [(a)] | 286,704 | 7,232,729 | Recirculated or sanitary sewer |
| Building 51L [(a)] | 150,576 | 2,719,987 | Recirculated or sanitary sewer |
| Building 53 | 537,104 | 9,602,094 | Recirculated |
| Building 64 | 833,621 | 8,295,093 | Recirculated |
| Building 71B | 108,058 | 862,343 | Recirculated |
| Total Volume Treated | 7,053,510 | 140,808,210 | |

* System was dismantled in June 2006.

** System no longer operational. Hydrauger effluent is now treated at Building 51 Firetrail Treatment System.

(a) The system is permitted for discharge of treated water to the sanitary sewer by EBMUD

# 5 SUMMARY OF PROBLEMS ENCOUNTERED

## 5.1 DEFINITIONS

Problems are defined here as follows:

1. Quality Assurance and Quality Control problems that would result in failure to meet data quality objectives.

2. Findings that indicate the presence of contamination that could impact human health or the environment, and for which activities are not specified in existing workplans to either further evaluate or remediate the contamination.

## 5.2 QUALITY ASSURANCE / QUALITY CONTROL

### 5.2.1 Field Quality Control

Twenty field (equipment/rinse) blanks and sixteen trip blanks were collected and analyzed for VOCs during the reporting period (Table 17). In addition, four field blanks were collected and analyzed for tritium (Table 13) and one field blank was analyzed for TPH-D (Table 12). No analytes were detected in the blanks.

Fourteen duplicate groundwater samples were collected and analyzed for VOCs during the current reporting period, one for TPH-kerosene range (TPH-K), one for molybdenum, and two for tritium. Results of the duplicate and primary samples were consistent.

As described in Section 3.1.2, TCE (1.3 µg/L) was detected in the sample collected from MWP-1 on July 2, 2012. The detection is questionable and may have resulted from cross contamination of the sample.

### 5.2.2 Laboratory Quality Control

All laboratories utilized by the LBNL ERP for determining contaminant concentrations in environmental samples are certified by the California Department of Public Health (CDPH) under the California Environmental Laboratory Accreditation Program. Laboratory quality control procedures include the analysis of method blanks and spike samples in accordance with protocols established for specific EPA analytical methods.

Samples collected during the current reporting period were analyzed by the LBNL Environmental Measurement Laboratory (EM)L, Eberline, BC Laboratories (BC), Curtis and Tompkins (C&T), or ALS Environmental (ALS), as indicated in the following table:

**Analytical Methods and Laboratories for the Current Reporting Period**

| Analytical Method | | Analytical Laboratory | |
|---|---|---|---|
| | | **Groundwater** | **Surface Water** |
| VOCs | EPA 8260 | EML/BC/C&T | EML/C&T |
| Metals | EPA 6000 & 7000 series or E245.2, E200.7, and E200.8 | BC | BC/C&T |
| TPH-D, TPH-K, and TPH-G | EPA Mod. 8015 | BC | |
| PCBs | EPA 8082 | BC | |
| Tritium | EPA 906 | Eberline | Eberline/ALS |

VOCs: Volatile organic compounds

PCBs: Polychlorinated biphenyls

TPH-K: Total petroleum hydrocarbons-kerosene range

TPH-D: Total petroleum hydrocarbons-diesel range

TPH-G: Total petroleum hydrocarbons-gasoline range

Laboratory Quality Assurance/Quality Control (QA/QC) problems identified in the laboratory data packages are noted in the following table. The data validation review indicated that the identified laboratory QA/QC problems were not sufficient to invalidate any data.

**Analytical Laboratory Deficiencies**

| Laboratory | Chain of Custody | Matrix | Deficiency |
|---|---|---|---|
| C&T | 7499 | Water | Matrix Spike (MS) recovery was out of control limit for 1,1-dichloroethene. |
| C&T | 7513 | Water | Matrix Spike/Matrix Spike Duplicate (MS/MSD) recovery was out of control limit for chlorobenzene. |
| C&T | 7520 | Water | Acetone was detected in Method Blank at a level between the Practical Quantitation Limit (PQL) and the Method Detection Limit (MDL). |
| BC | 7508 | Water | Surrogate recovery showed concentration for TCE slightly above the highest calibration point. |
| EML | 7510 | Water | Initial Calibration Verification (ICV) recovery was out of control limit for acrolein. |
| BC | 7565 | Water | Duplicate precision was not met for chloroethane; Surrogate recovery was out of control limit for 1,2-dichloroethane-d4. |
| BC | 7585 | Surface water | Precision and Accuracy was not met for the difference between duplicate readings for nitrate/nitrite as N. |
| BC | 7594 | Water | ICV recovery was out of control limit for acrolein. |

## 5.3 NEW FINDINGS

As described in Section 4.3, VOC-contaminated soil and groundwater were recently discovered in two discrete areas beneath the former location of Building 51: 1) under the former Building 51 Vacuum Pump Room area and 2) beneath the former location of Building 51A. A report describing the environmental investigations conducted in these two areas was submitted to the DTSC on April 27, 2012 (LBNL, 2012b). On March 14, 2012, LBNL submitted a request to DTSC to conduct an ICM to control the migration of contaminated groundwater from the former Vacuum Pump Room area and on April 18, 2012, LBNL submitted a draft ICM Workplan for this proposed activity. The draft Workplan was revised in accordance with DTSC's July 3, 2012 comments and resubmitted as final on August 15, 2012 (LBNL, 2012c). LBNL has not yet received formal approval from the DTSC to construct the ICM.

# 6 ACTIVITIES FOR UPCOMING REPORTING PERIOD

This section describes the activities that were completed or are planned for the upcoming reporting period (first and second quarters of FY13 [October 1, 2012 through March 31, 2013]). Results of these activities will be reported in the next Semiannual Progress Report, scheduled for submittal to the DTSC in August 2013.

*Groundwater Monitoring*

- Conduct first and second quarter FY13 quarterly groundwater sampling and continue depth-to-water measurements.

*Surface Water Sampling*

- Collect semiannual surface water samples for analysis of VOCs and metals from creeks flowing from LBNL. Analyze samples from Chicken and North Fork Strawberry for tritium.

*Corrective Measures*

- Continue the corrective measures for groundwater described in Section 4.
- Groundwater extraction as started from EW30-12-2 and EW30-12-3 in October 2012 and from EW30-2-1 in November 2012. These extraction wells are part of the DTSC-approved modifications to the Building 25A *in situ* soil flushing system.
- On January 31, 2013, two groundwater monitoring wells (MW30-13-1 and MW30-13-2) were constructed at the SERC site to replace two wells that were properly destroyed on September 27, 2012 prior to excavation of the SERC foundation.

*Submittals to Regulatory Agencies*

- On November 6, 2012, LBNL submitted the semiannual self-monitoring report for treated water discharged to the sanitary sewer to EBMUD.

- On November 15, 2012, LBNL submitted a permit application to the City of Berkeley to install two replacement groundwater monitoring wells at the SERC site.

- Submit this Semiannual Progress Report and Annual Status Summary for the third and fourth quarters of FY12 to the DTSC.

*Environmental Investigations in the Building 51 and Bevatron Demolition Area*

- Sixteen additional soil samples were collected from eight borings in the former Building 51A area to more accurately delineate the lateral extent of soil contamination that might require remedial action.

- Fourteen additional soil samples were collected from three borings drilled to help assess the lateral extent of the relatively high concentration of TCE previously detected in SB51-11-9.

# 7 REFERENCES


LBNL, 1992a. *RCRA Facility Assessment at the Lawrence Berkeley Laboratory,* Environmental Restoration Program. September 30, 1992.

LBNL, 1993-2012. *Quarterly Progress Reports*, (includes reports covering 2nd Quarter Fiscal Year 1993 [January 1 to March 31, 1993] through 4th Quarter Fiscal Year 2011 [July 1 to September 30, 2011] for the LBNL Hazardous Waste Facility Permit, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, August 1993 through November 2011.

LBNL, 2012-2013. *Semiannual Progress Reports*, (includes reports covering 1st and 2nd Quartesr Fiscal Year 2012 [October 1, 2011 to March 31, 2012] through 3rd and 4th Quarters Fiscal Year 2012 [April 1 to September 30, 2012] for the LBNL Hazardous Waste Facility Permit, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, August 2012 through February 2013.

LBNL, 2000. *RCRA Facility Investigation Report, Environmental Restoration Program*, Lawrence Berkeley National Laboratory, Berkeley, California, September 2000.

LBNL, 2002a. *Analysis of Background Distributions of Inorganic Elements in Groundwater at Lawrence Berkeley National Laboratory*, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, July 2002.

LBNL, 2005a. *RCRA Corrective Measures Study Report for the Environmental Restoration Program*. Lawrence Berkeley National Laboratory, Berkeley, California, February 2005.

LBNL, 2005b. *Proposal for Revised Groundwater Monitoring Schedule for the Lawrence Berkeley National Laboratory Environmental Restoration Program*, Lawrence Berkeley National Laboratory, Berkeley, California, May 2005.

LBNL, 2007. RCRA *Corrective Measures Implementation (CMI) Report for the Environmental Restoration Program*, Lawrence Berkeley National Laboratory, April 2007.

LBNL, 2009. *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, revised April 2009.

LBNL, 2010. *Preliminary Subsurface Investigation Workplan for the Building 51 and Bevatron Demolition Project*, Lawrence Berkeley National Laboratory, May 2010.

LBNL, 2011. *Workplan for Proposed Modification of the Building 25A* In Situ *Soil Flushing System*, Lawrence Berkeley National Laboratory, September 2011.

LBNL, 2012a. *Request for Approval of Revised Groundwater Monitoring Well Schedule for Tritium, email from Ron Pauer (LBNL/ESG) to Kim Abbott (DOE/BSO) ES-12-136* , August 24, 2012.

LBNL, 2012b. *Report of Environmental Investigations in the Building 51A and Vacuum Pump Room Areas for the Building 51 and Bevatron Demolition Project* for the Lawrence Berkeley National Laboratory, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, August 2012.

LBNL, 2012c. *Interim Corrective Measures Workplan to Control the Migration of Contaminated Groundwater at the Bevatron Demolition Project Site* for the Lawrence Berkeley National Laboratory, Environmental Restoration Program, Lawrence Berkeley National Laboratory, Berkeley, California, August 2012.

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| | |
|---|---|
| MW25-95-5 | Groundwater monitoring well |
| MW90-6 | Properly destroyed monitoring well |
| T SB76-97-3 | Temporary groundwater sampling point |
| T SB64-98-16 | Properly destroyed sampling point |
| | Angled boring |
| EW | Groundwater extraction well |
| IW | Groundwater injection well |
| DP | Dual phase extraction well |
| SSW-31.63 | Slope stability well |
| OW6-98 | Observation well |
| SI-3.63 | Slope indicator well |
| 71-95-10 | Vadose zone monitoring well |
| | Shallow soil sampling location |
| | Soil boring |
| PZ51-92-3 | Piezometer |
| | Spring |
| 700 | Topographic contour line (elevation in ft above mean sea level) |
| 620 | Groundwater elevation contour line (elevation in ft above mean sea level) |

| | |
|---|---|
| ND (or <) | Not detected |
| 51-01-10 | Hydrauger |
| | Sanitary sewer line |
| | Storm drain line |
| | Surface creek |
| | LBNL site boundary |
| | Fence |
| 17 | Surface structure (e.g. buildings, etc.) |
| 51B | Former building location |
| | Groundwater collection trench |
| GAC GAC | Granular activated carbon (GAC) treatment system |

NOTES:
All other symbols used are explained on the figures.
Not all symbols may be included on the attached figures for the current reporting period.

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**Key to Symbols Used on Figures.**

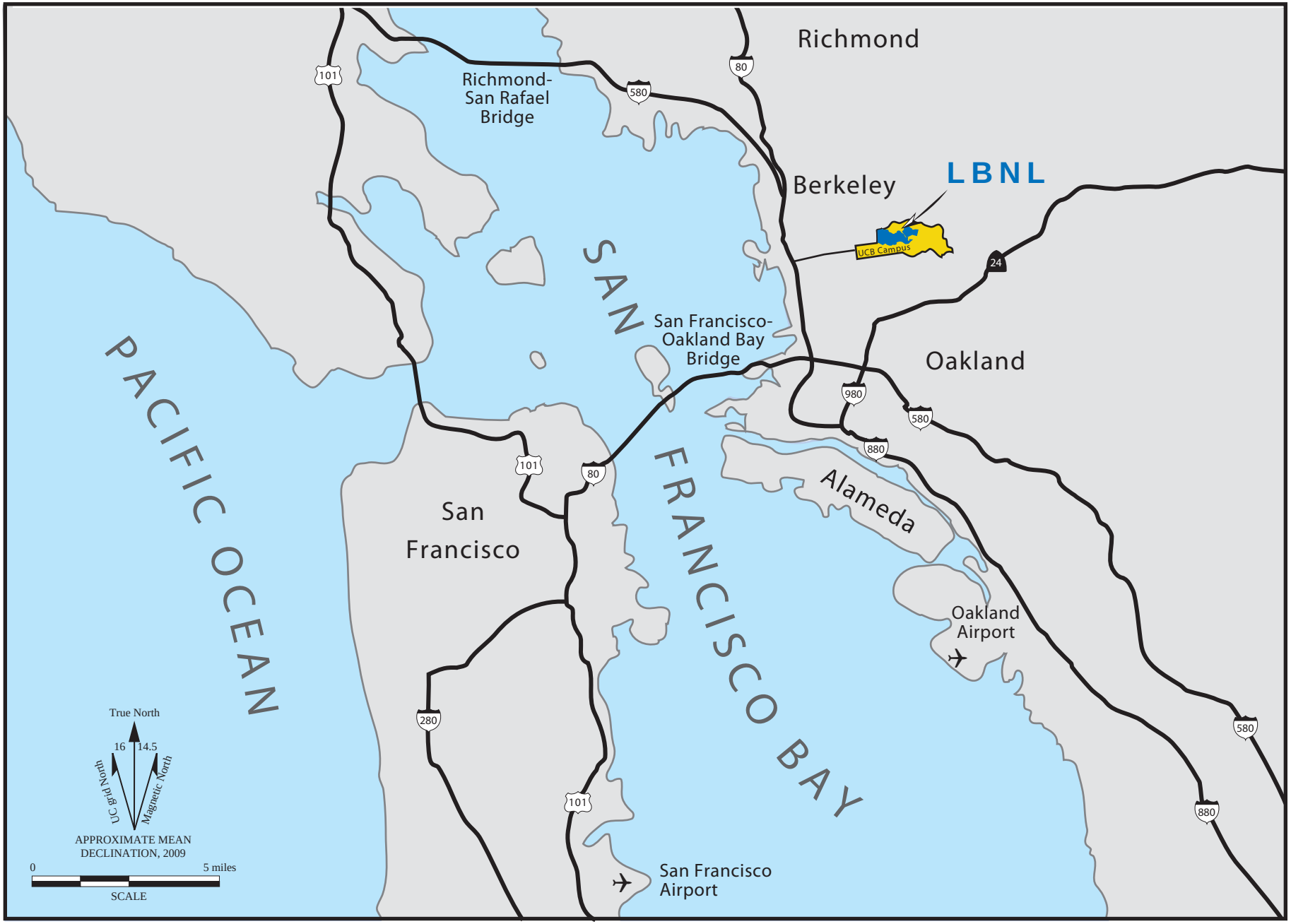


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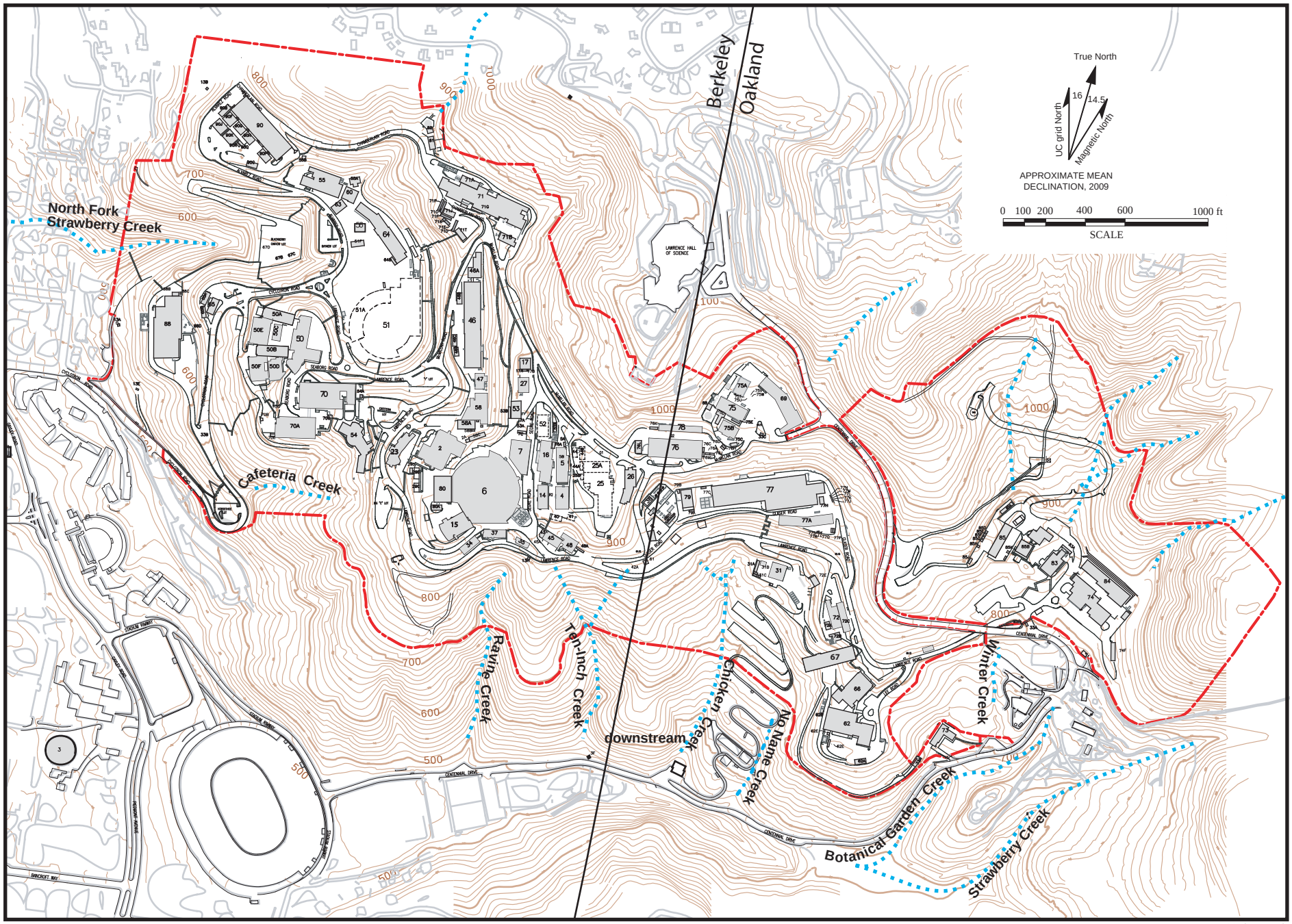
**Figure 1. Regional Setting of the Lawrence Berkeley National Laboratory.**

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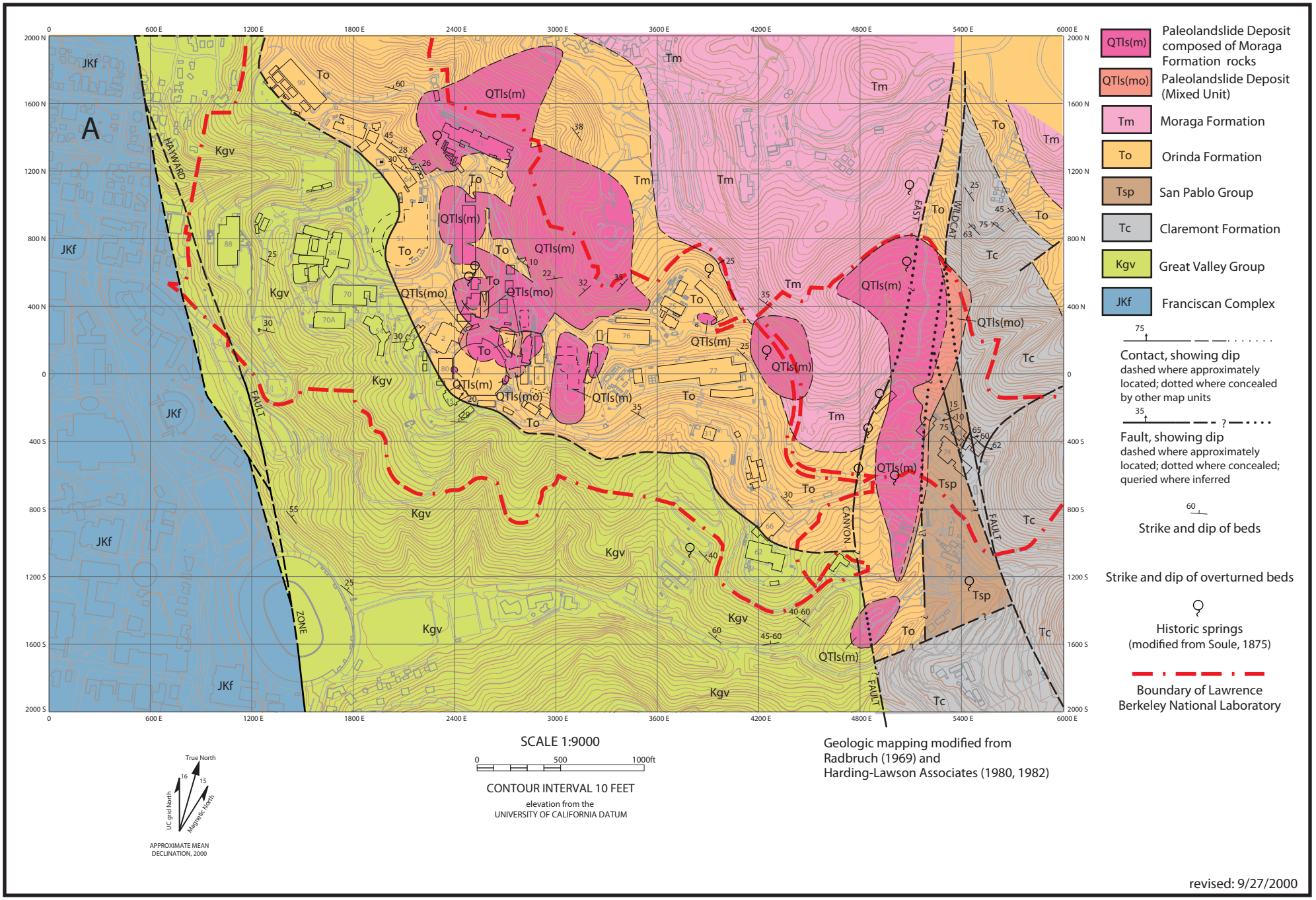



**Figure 3a. Bedrock Geologic Map, Lawrence Berkeley National Laboratory.**

3A site br map.ai
09/00

| Age | Formation | Description |
|---|---|---|
| Quaternary | Artificial fill | Generally engineered fill consisting of fine-grained material. Older fills include vegetative and other debris. |
| | Colluvium | Predominantly clayey silt. |
| | Debris flows | Boulders and gravels of basalt, chert, and porcelenite in a silty clay matrix. |
| | Landslides | Translational/rotational slide masses incorporating bedrock. Occur at the Moraga/Orinda Formation contact. |

| | WEST OF HAYWARD FAULT | EAST OF HAYWARD FAULT | | | | | |
|---|---|---|---|---|---|---|---|
| | | *West of Life Sciences Area Main Canyon Landslide Deposit* | | | *East of Life Sciences Area Main Canyon Landslide Deposit* | | |
| **Age** | | **Group** | **Formation** | **Description** | **Group** | **Formation** | **Description** |
| **Tertiary** | | Contra Costa | Moraga | Andesitic flows, breccias, and agglomerates with minor amounts of basaltic flows and interbedded volcaniclastic sandstone and conglomerate. | San Pablo (?) | Neroly | Fossiliferous, shallow marine, fine grained sandstones with minor amounts of siltstone. |
| | | | Orinda | Alluvial sedimentary deposits consisting primarily of claystone and siltstone with lenticular to linear beds of sandstone and conglomerate. | | Briones | Fossiliferous, shallow marine, fine grained sandstones with minor amounts of siltstone. |
| | | | | | Monterey | Claremont | Chert and shale with minor amounts of sandstone. |
| **Cretaceous** | | Great Valley | | Marine mudstones, shales, and sandstones. | | | |
| **Jurassic** | Franciscan Complex | | | | | | |

**Figure 3b. Stratigraphic Correlation Chart, Lawrence Berkeley National Laboratory.**

D2.1-1 StratChart.xls
09/00

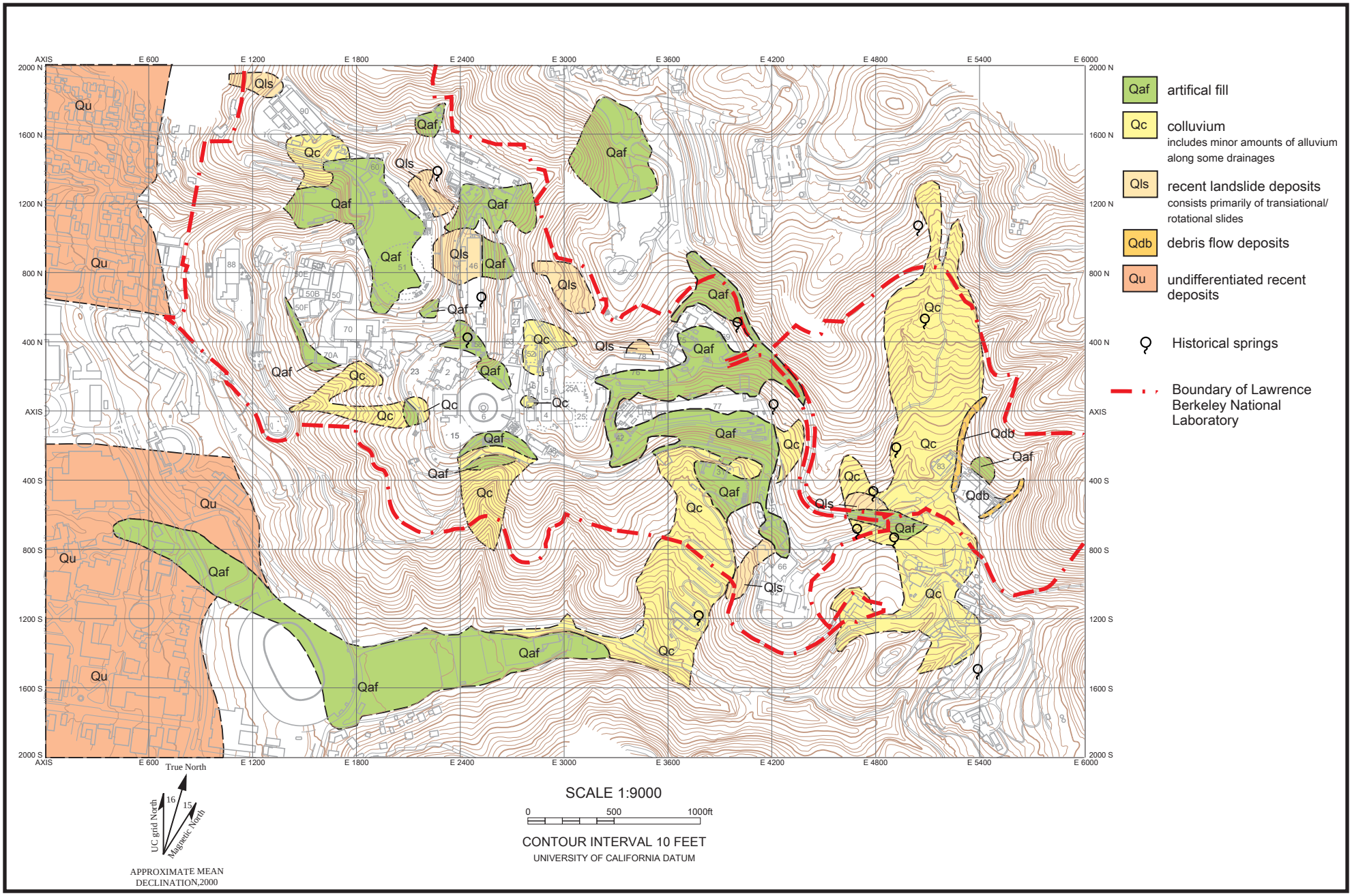



**Figure 3c. Surficial Geologic Map, Lawrence Berkeley National Laboratory (modified from Harding-Lawson Associates, 1982).**

3c site surf map.ai
09/00

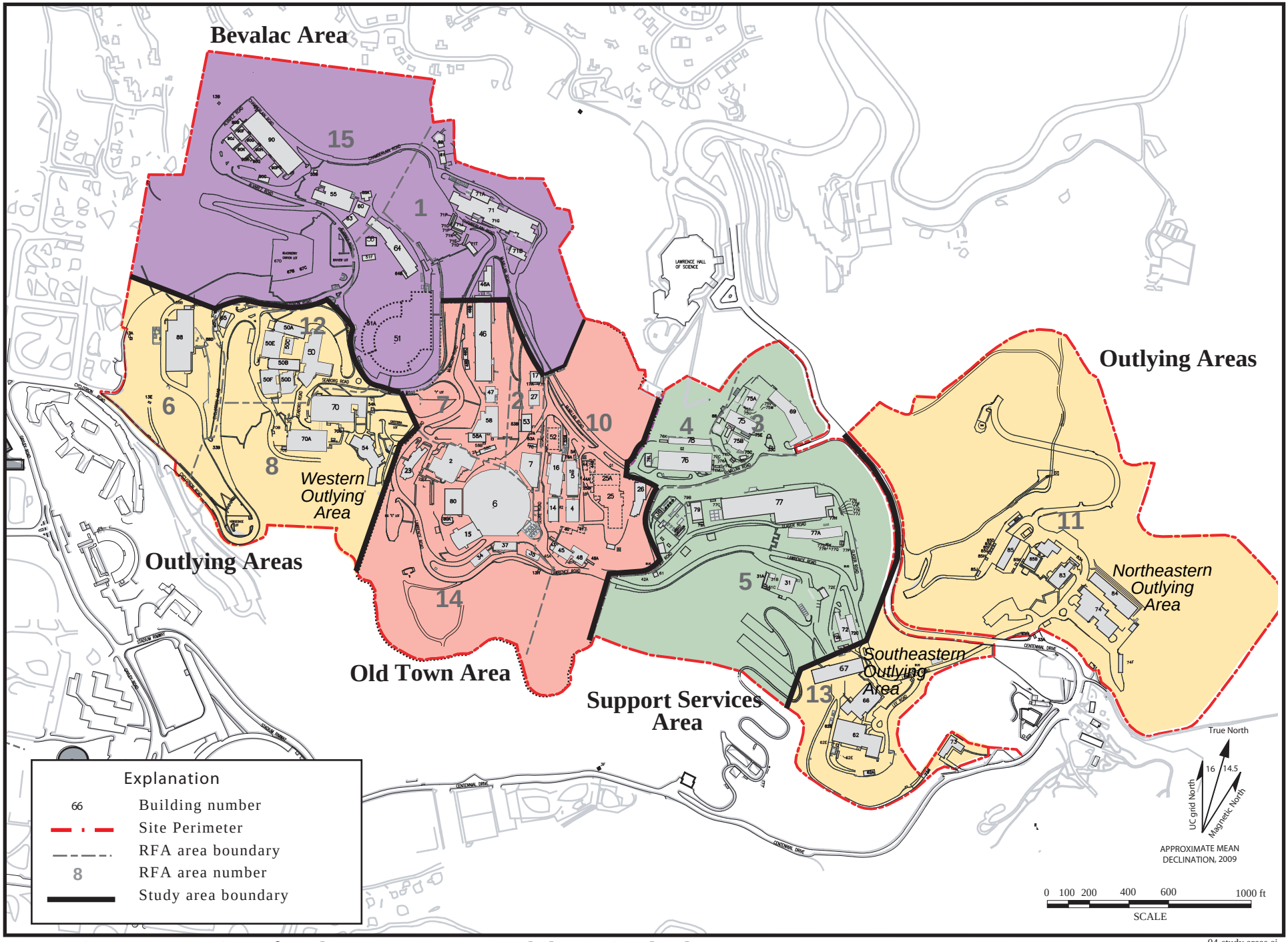



**Figure 4. Locations of Study Areas, Lawrence Berkeley National Laboratory.**

04-study areas.ai
5/12

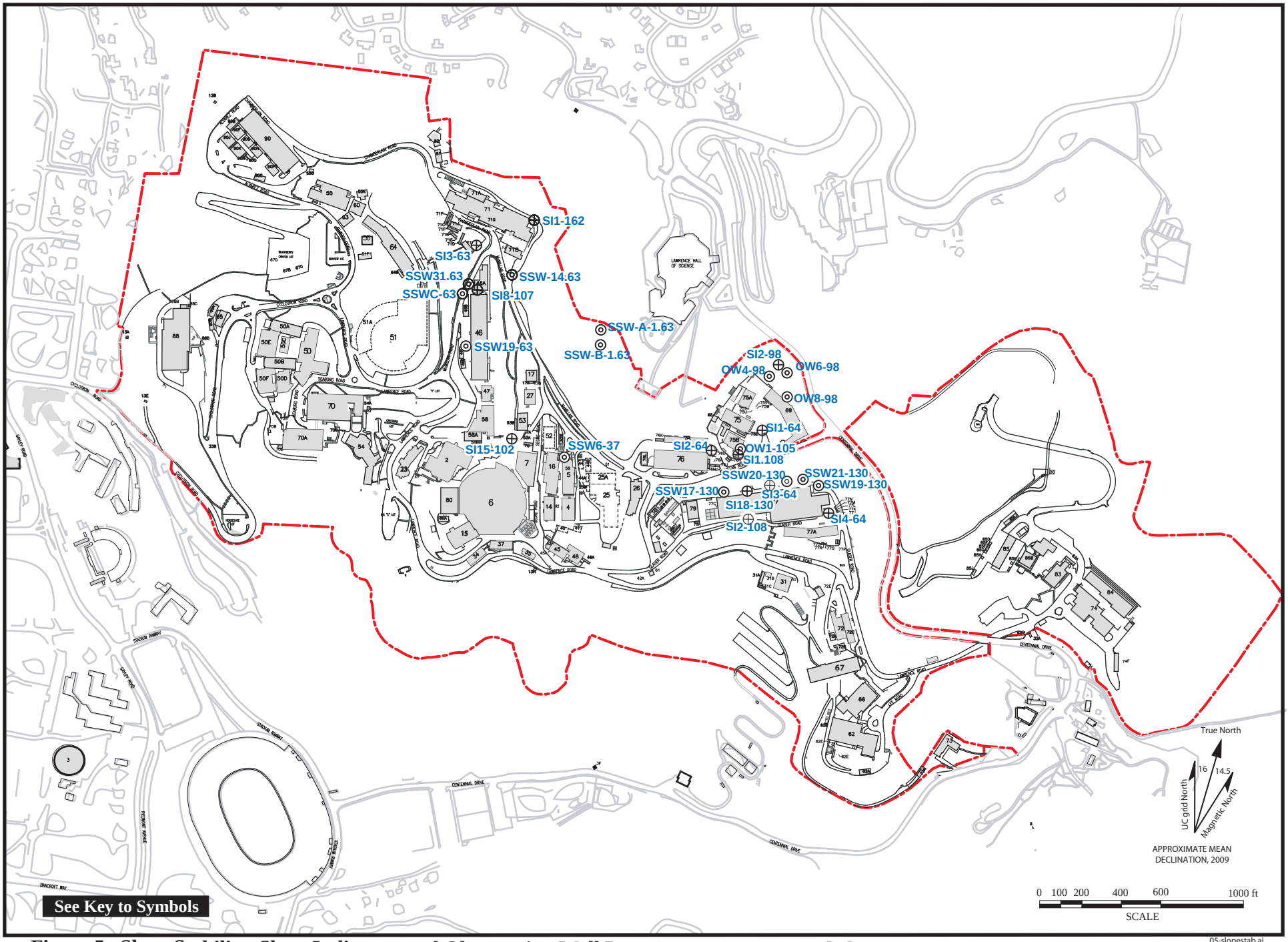



**Figure 5. Slope Stability, Slope Indicator, and Observation Well Locations, Lawrence Berkeley National Laboratory.**

05-slopestab.ai
2/09

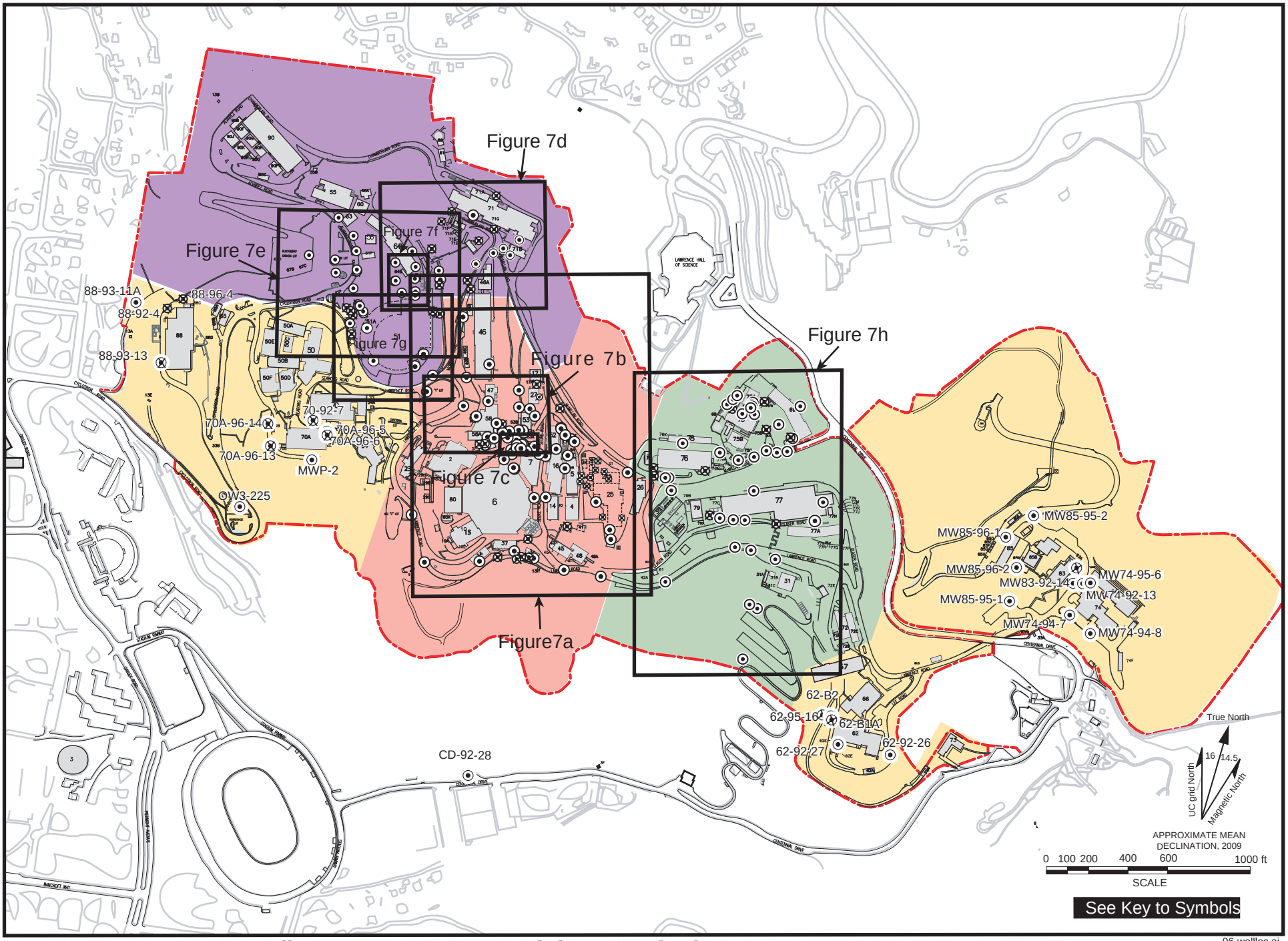



**Figure 6. Monitoring Well Locations at Lawrence Berkeley National Laboratory.**

06-wellloc.ai
12/10

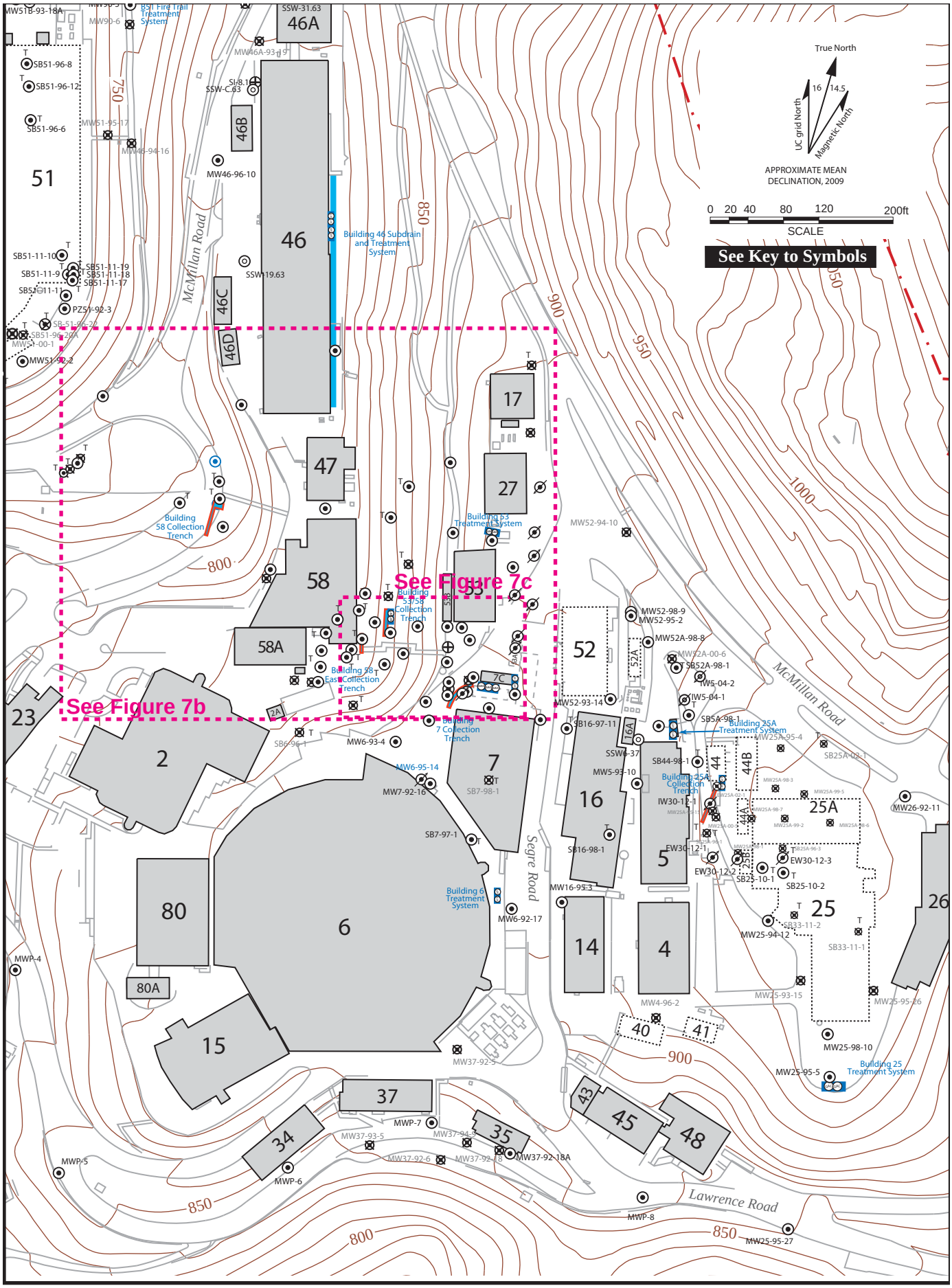



**Figure 7a. Well Location Map of Old Town Area, Lawrence Berkeley National Laboratory.**

7a-wellocOT.ai
1/13

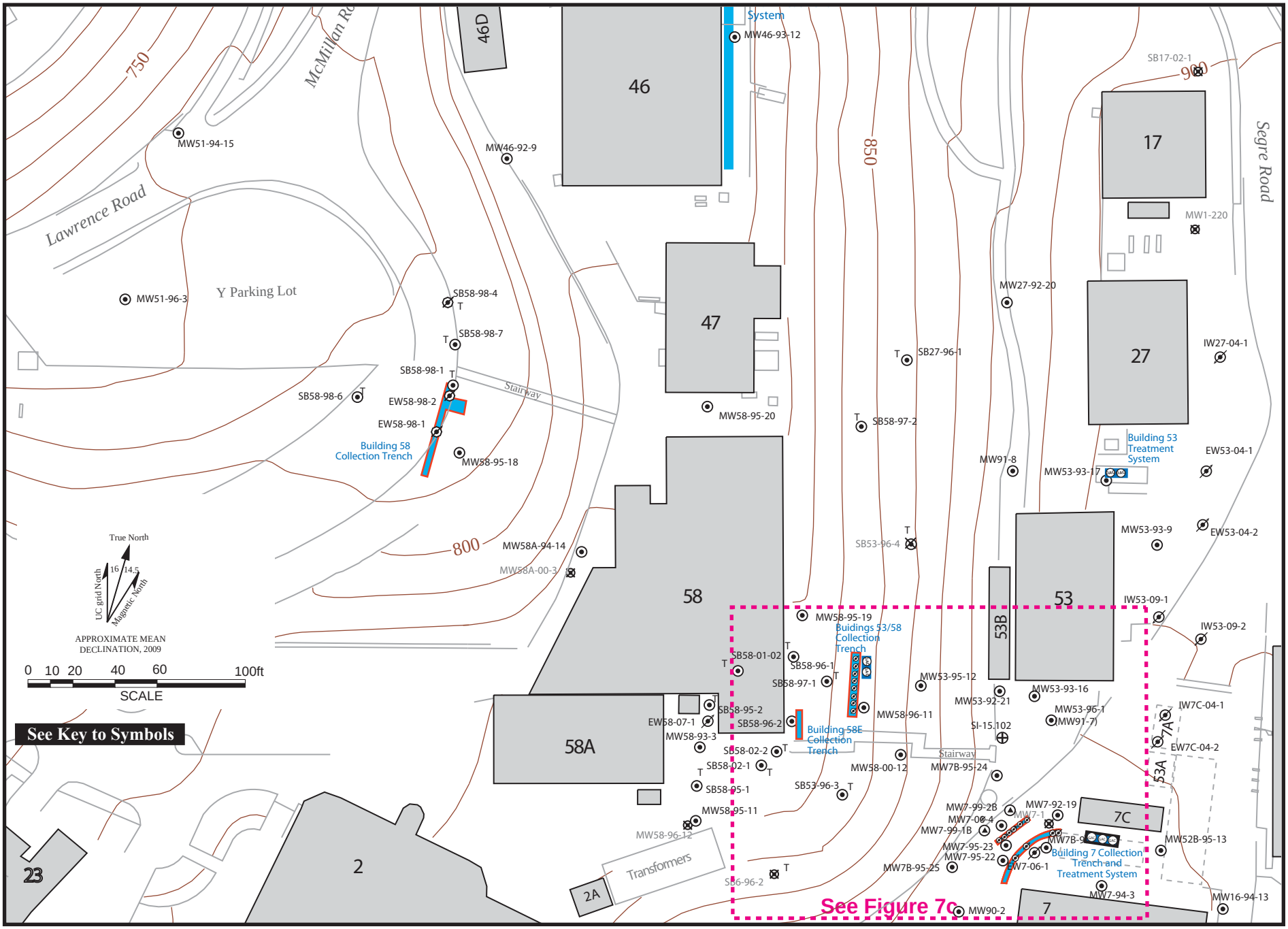
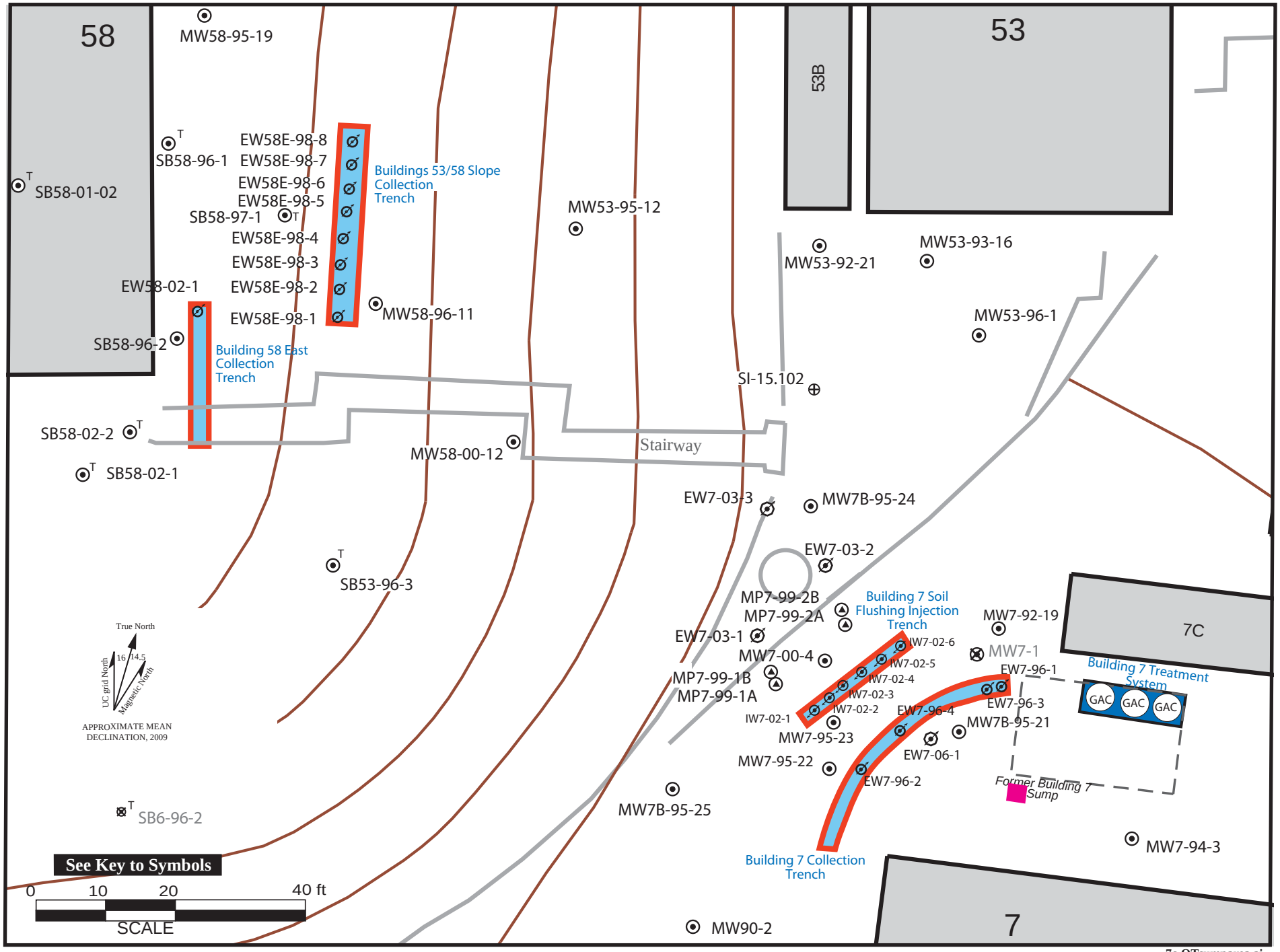



**Figure 7b. Well Location Map of the Central Old Town Area, Lawrence Berkeley National Laboratory.**

7b-OTDetail.ai
1/12




7c-OTsumparea.ai
1/13

**Figure 7c. Well Location Map of the Old Town Plume Source Area, Lawrence Berkeley National Laboratory.**

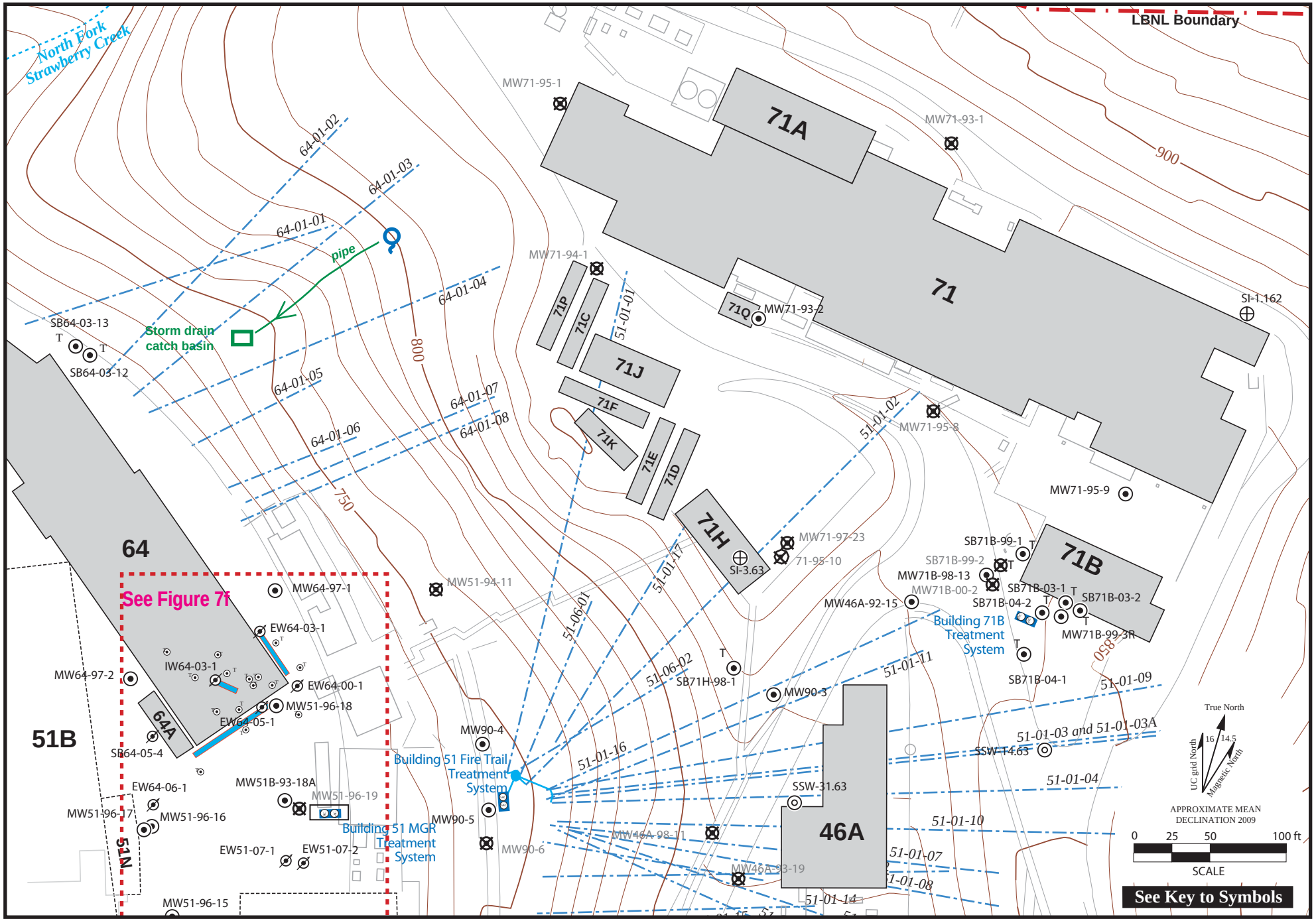



**Figure 7d. Well Location Map of the Building 71 Area, Lawrence Berkeley National Laboratory.**

7d_B71base.ai
1/13

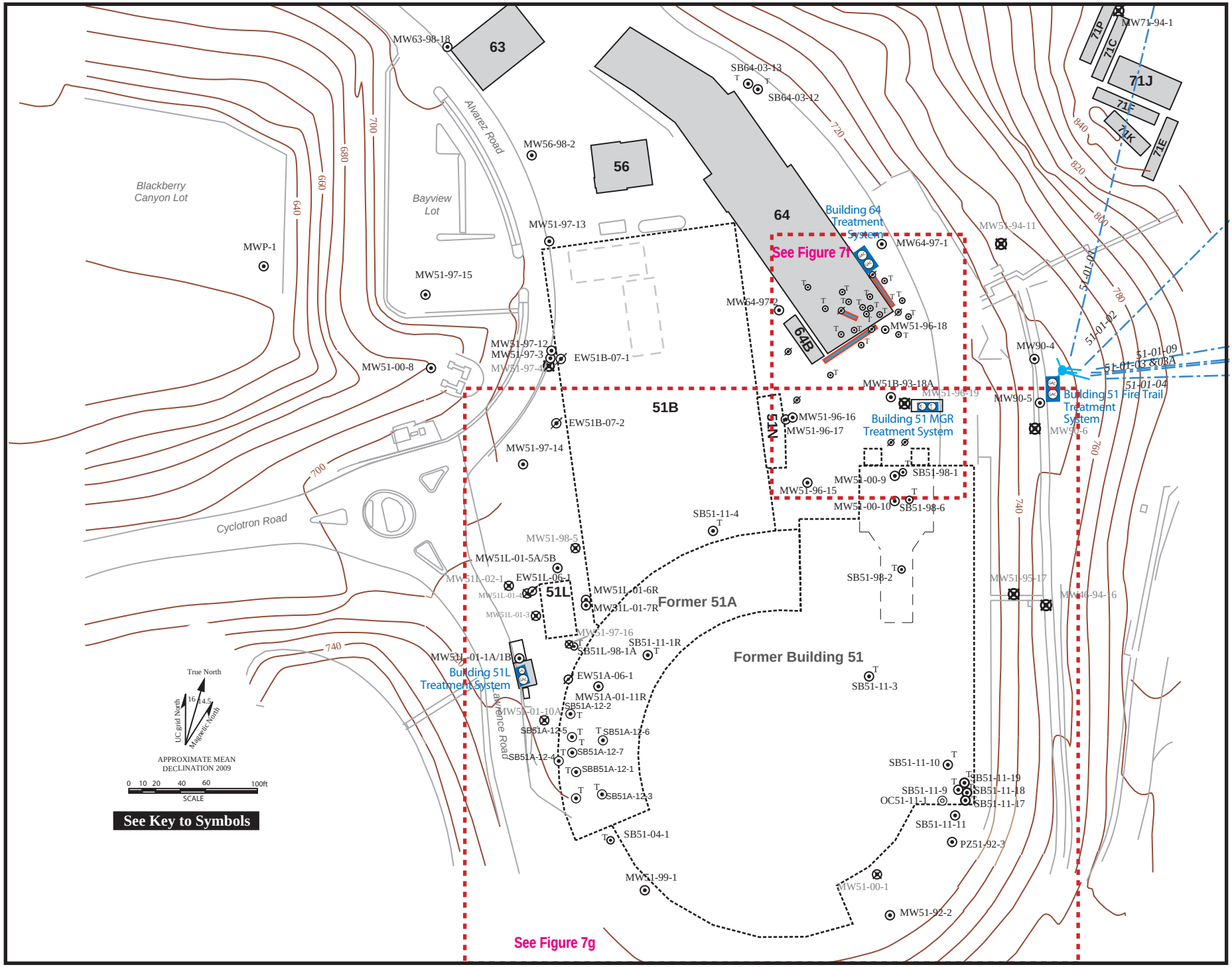



**Figure 7e. Well Location Map of the Building 51 and Building 64 Areas, Lawrence Berkeley National Laboratory.**

7e-B51baser1.ai
1/13

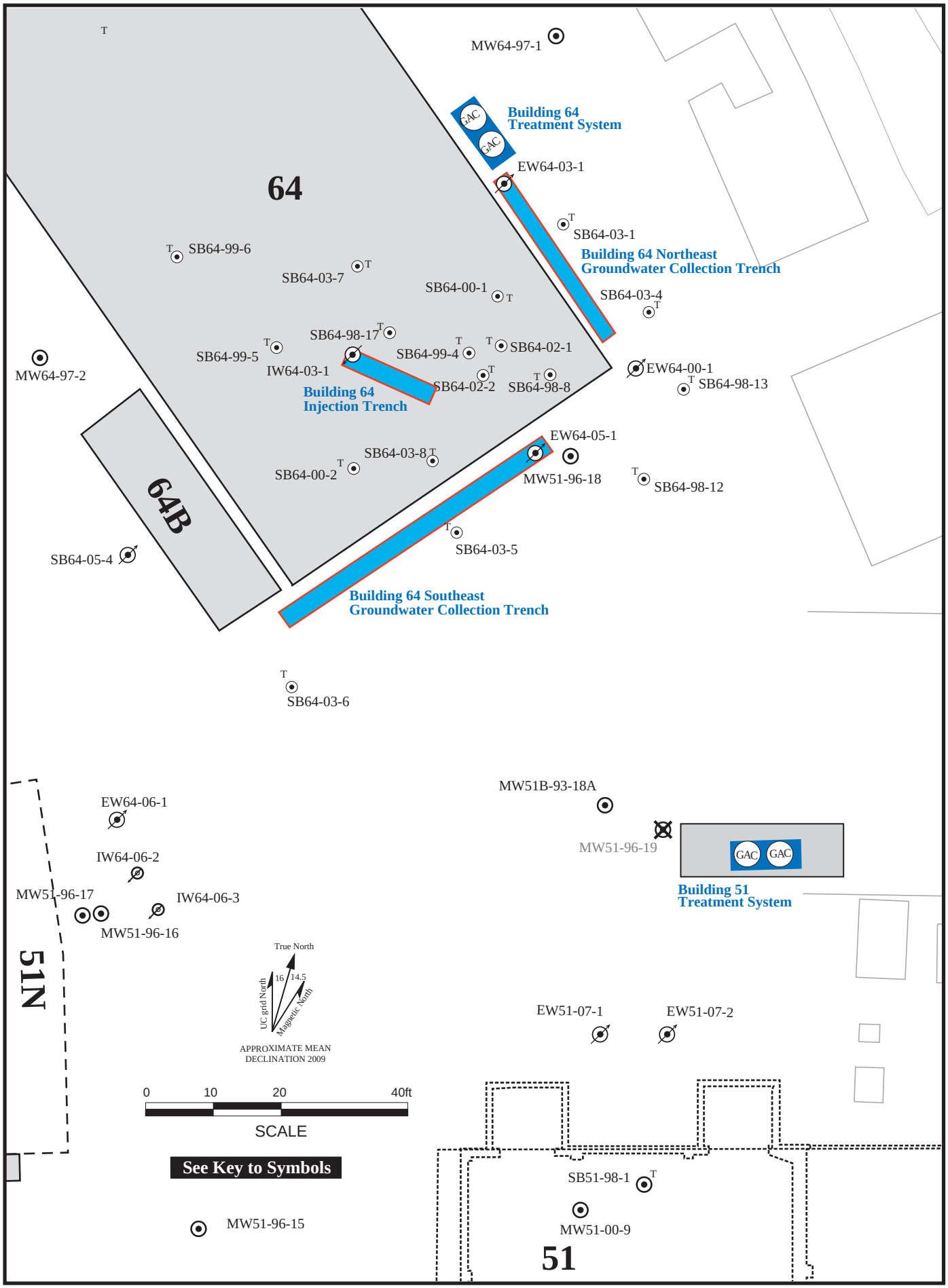
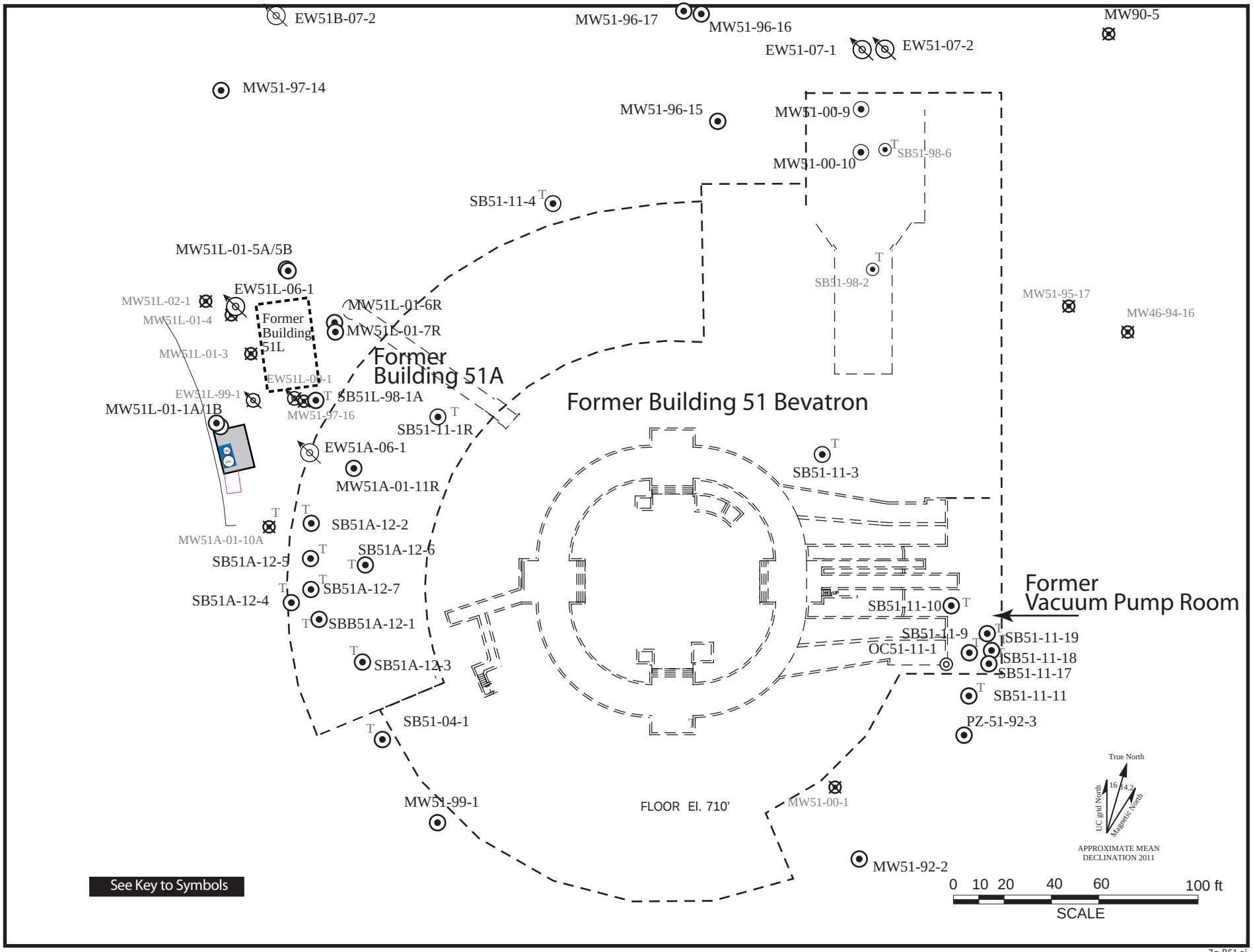



**Figure 7f. Well Location Map of the Building 51/64 Plume Source Area, Lawrence Berkeley National Laboratory.**

7f-detailB51base
1/13




7g-B51.ai
5/12

**Figure 7g. Well Location Map of the Former Building 51 Bevatron Area, Lawrence Berkeley National Laboratory.**

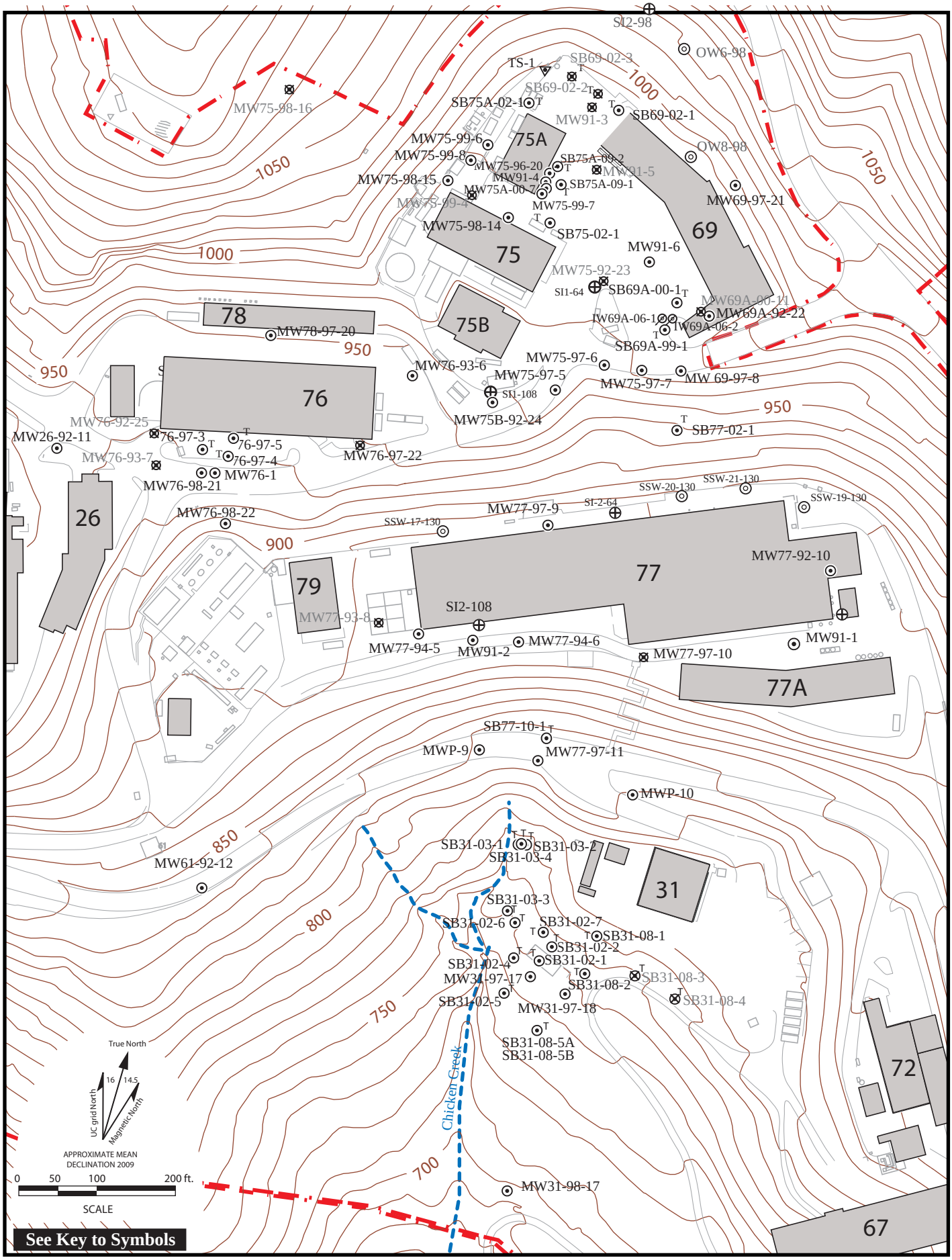



**Figure 7h. Well Location Map of the Corporation Yard Area, Lawrence Berkeley National Laboratory.**

7h-Corpyrdloc.ai
1/12

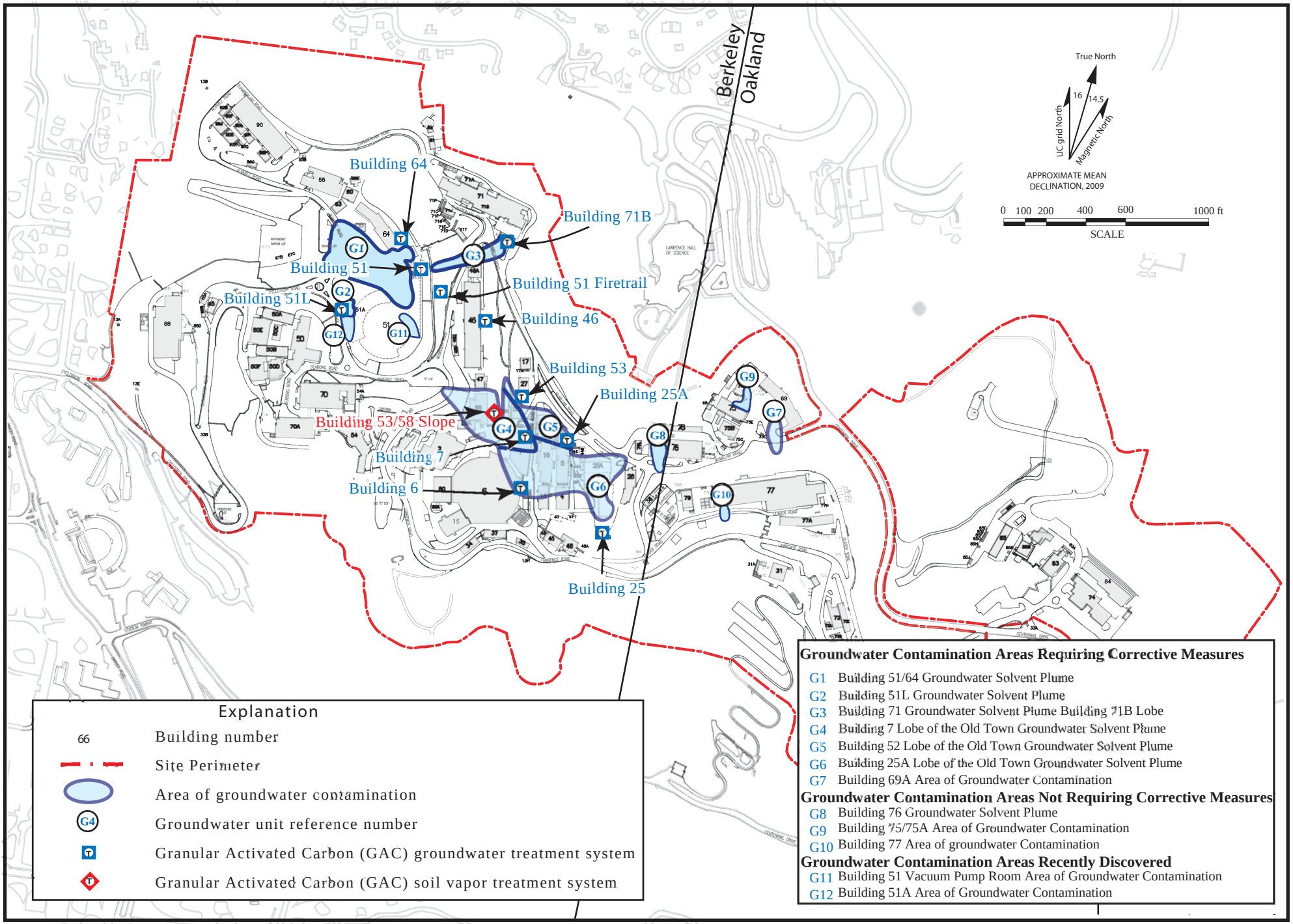
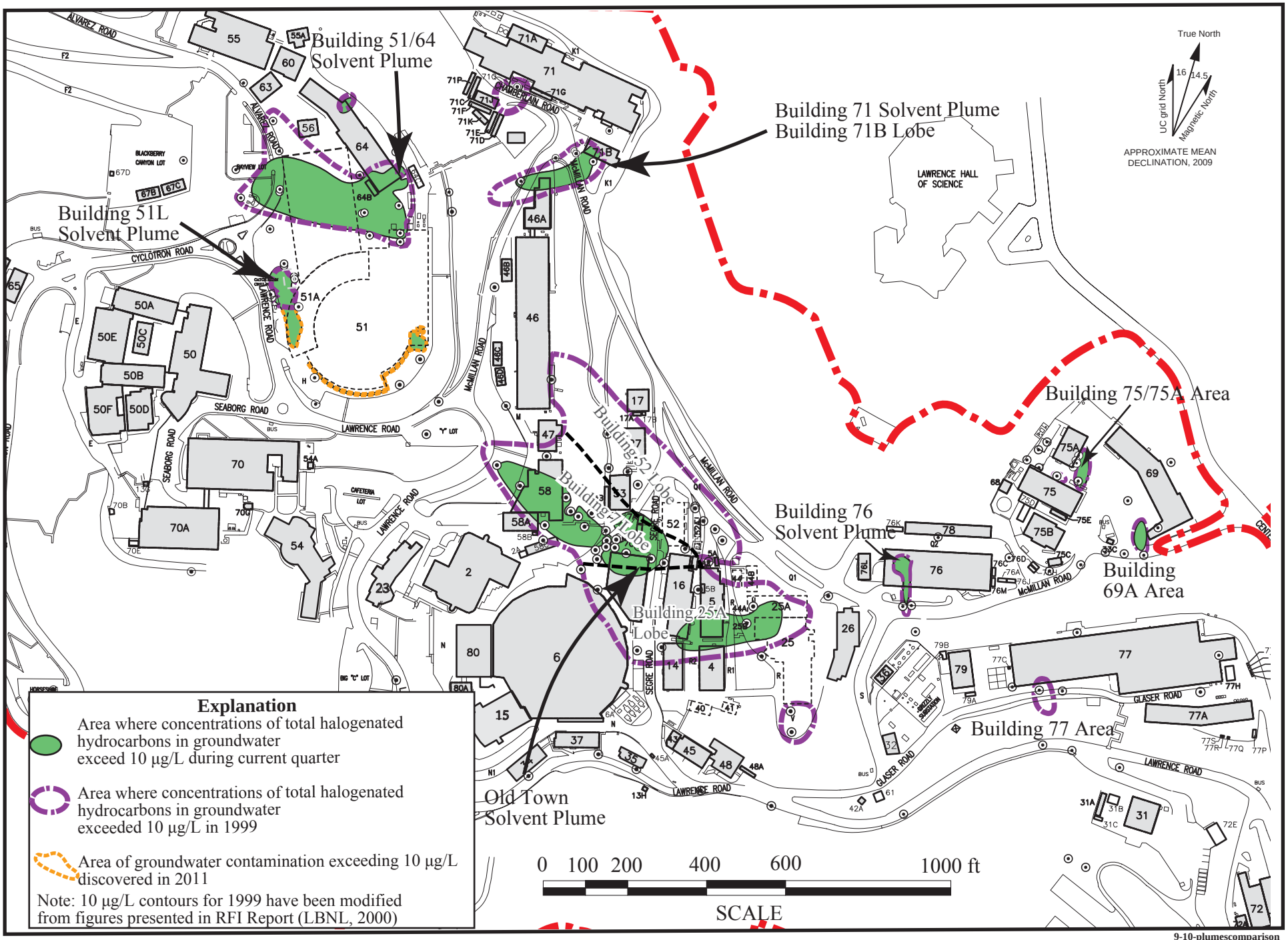


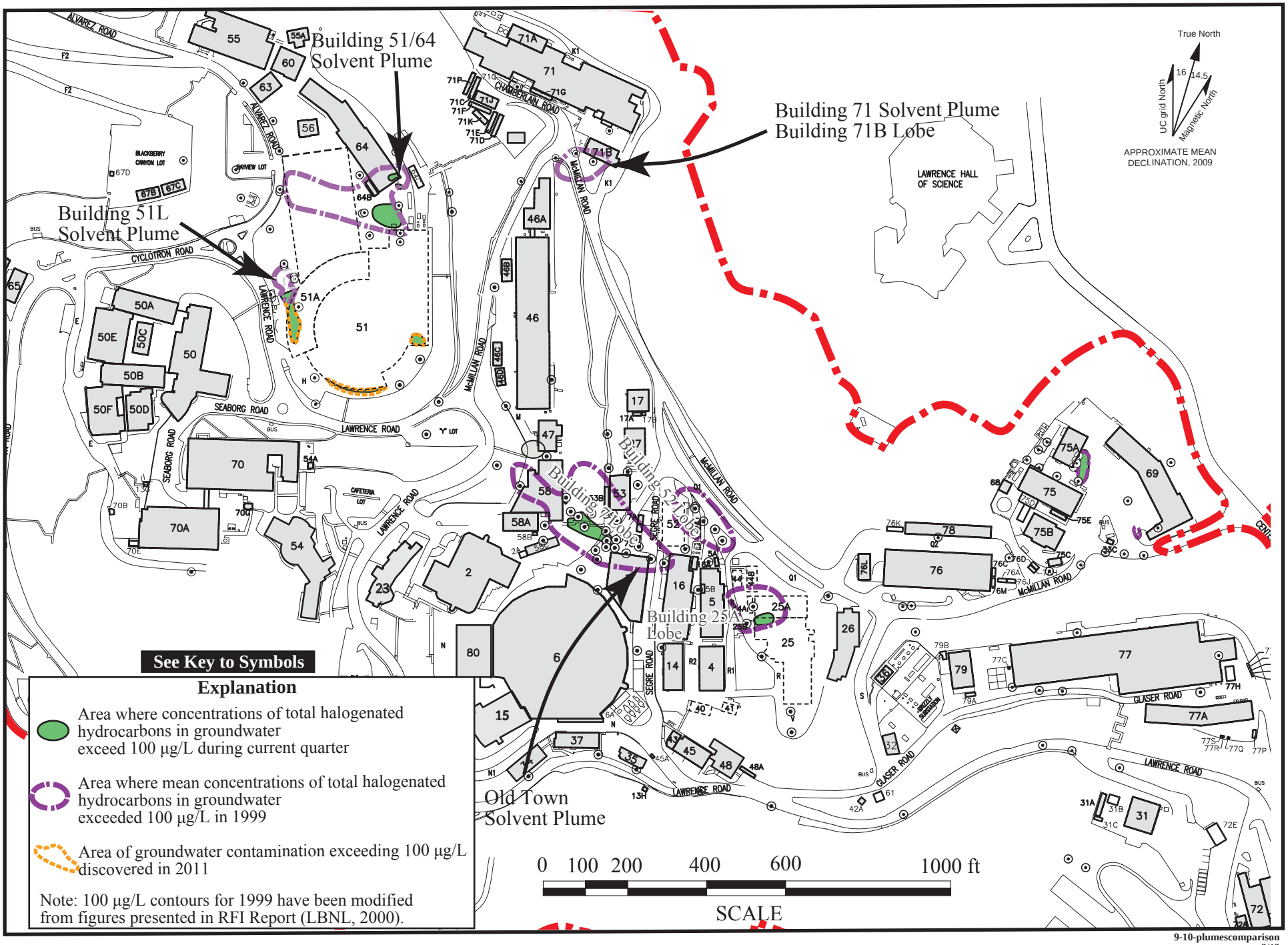

**Figure 8. Locations of Areas of Groundwater Contamination, Lawrence Berkeley National Laboratory.**

08-units.ai
5/12



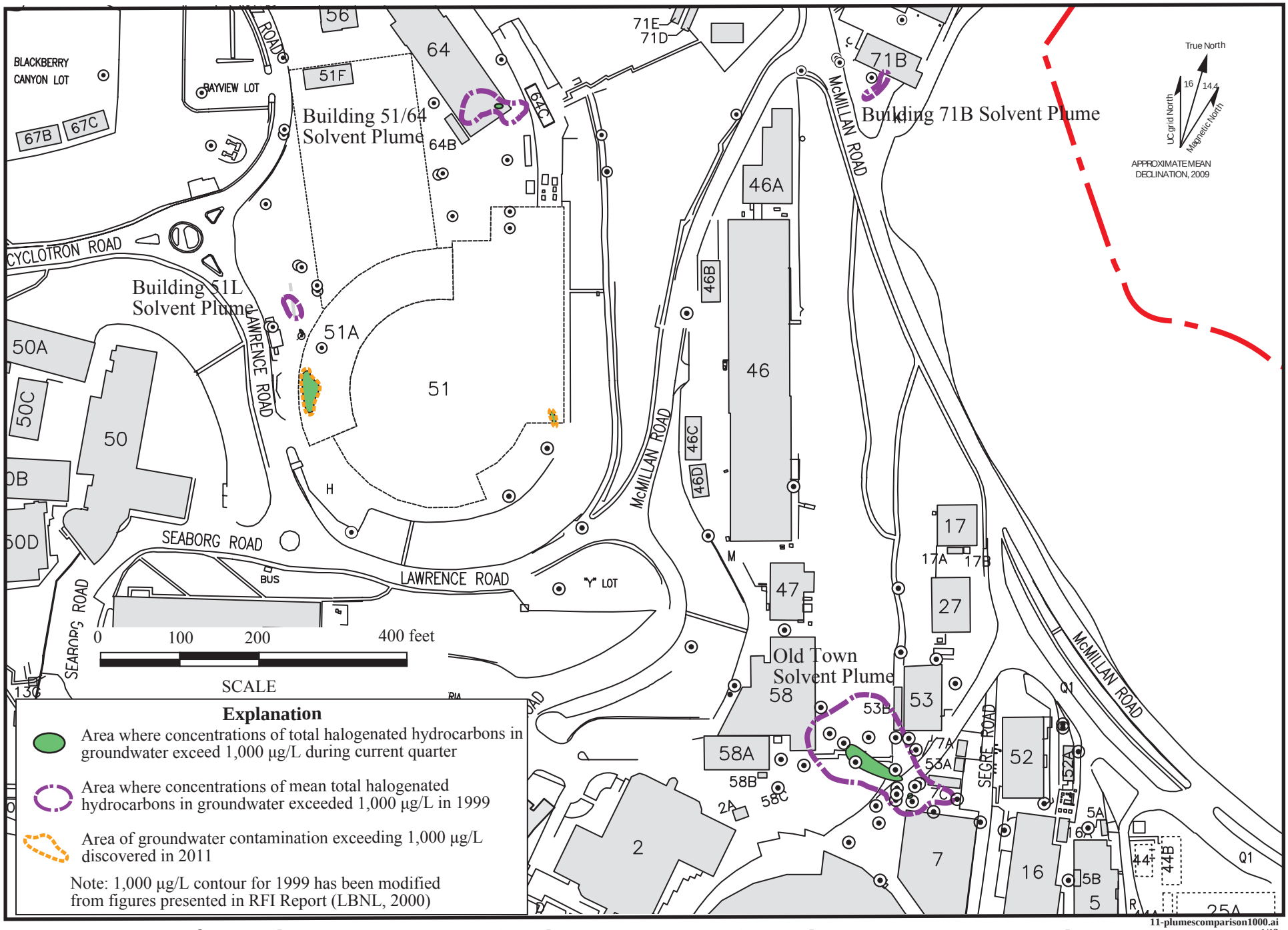

9-10-plumescomparison
2/13

**Figure 9. Extent of Groundwater Contamination (Total VOCs > 10 µg/L) Fourth Quarter FY12 Compared to 1999.**




9-10-plumescomparison
2/13

**Figure 10. Extent of Groundwater Contamination (Total VOCs > 100 µg/L) Fouurth Quarter FY12 Compared to 1999.**




11-plumescomparison1000.ai
1/13

**Figure 11. Extent of Groundwater Contamination (Total VOCs > 1,000 µg/L) Fourth Quarter FY12 Compared to 1999.**

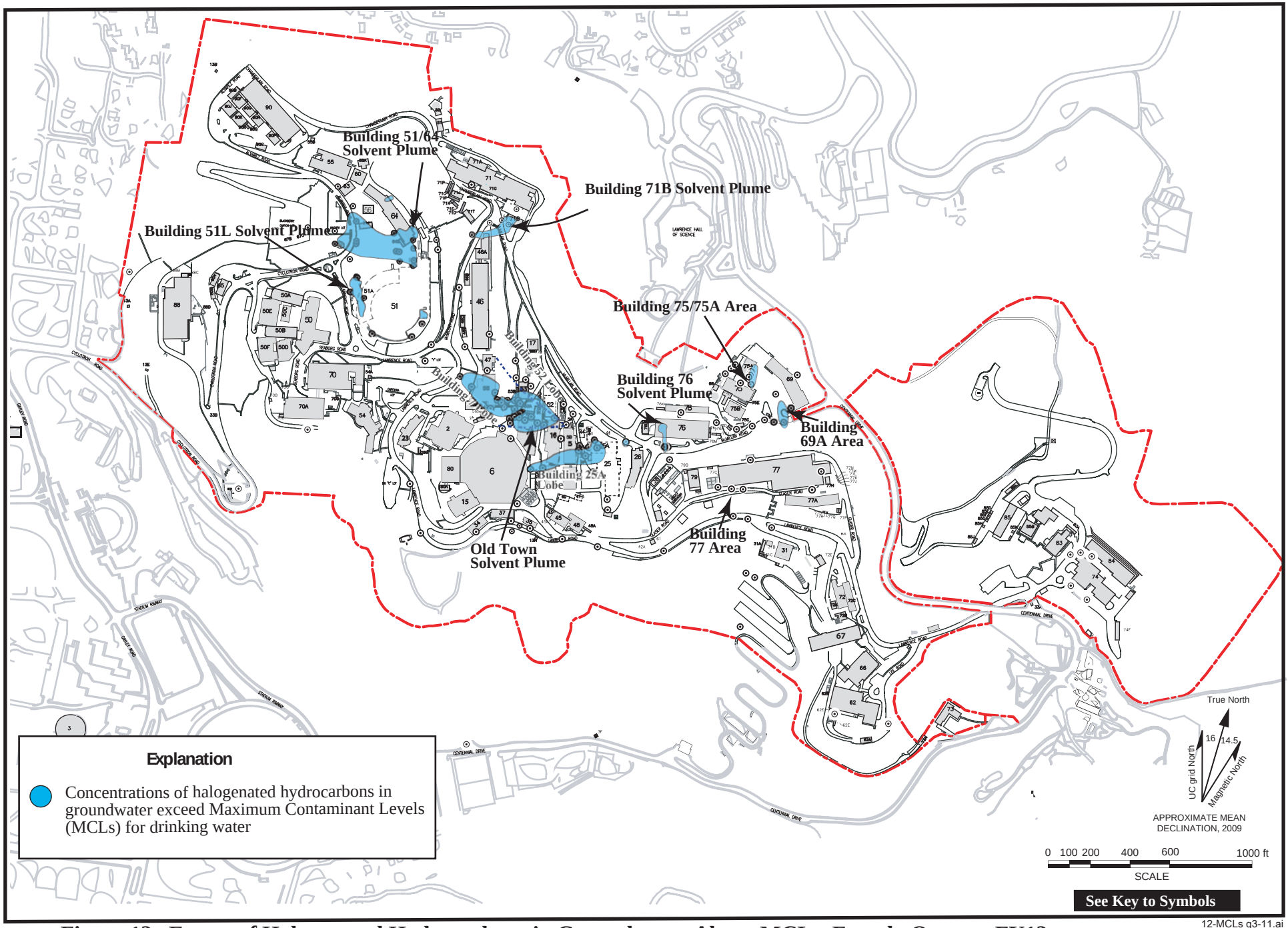
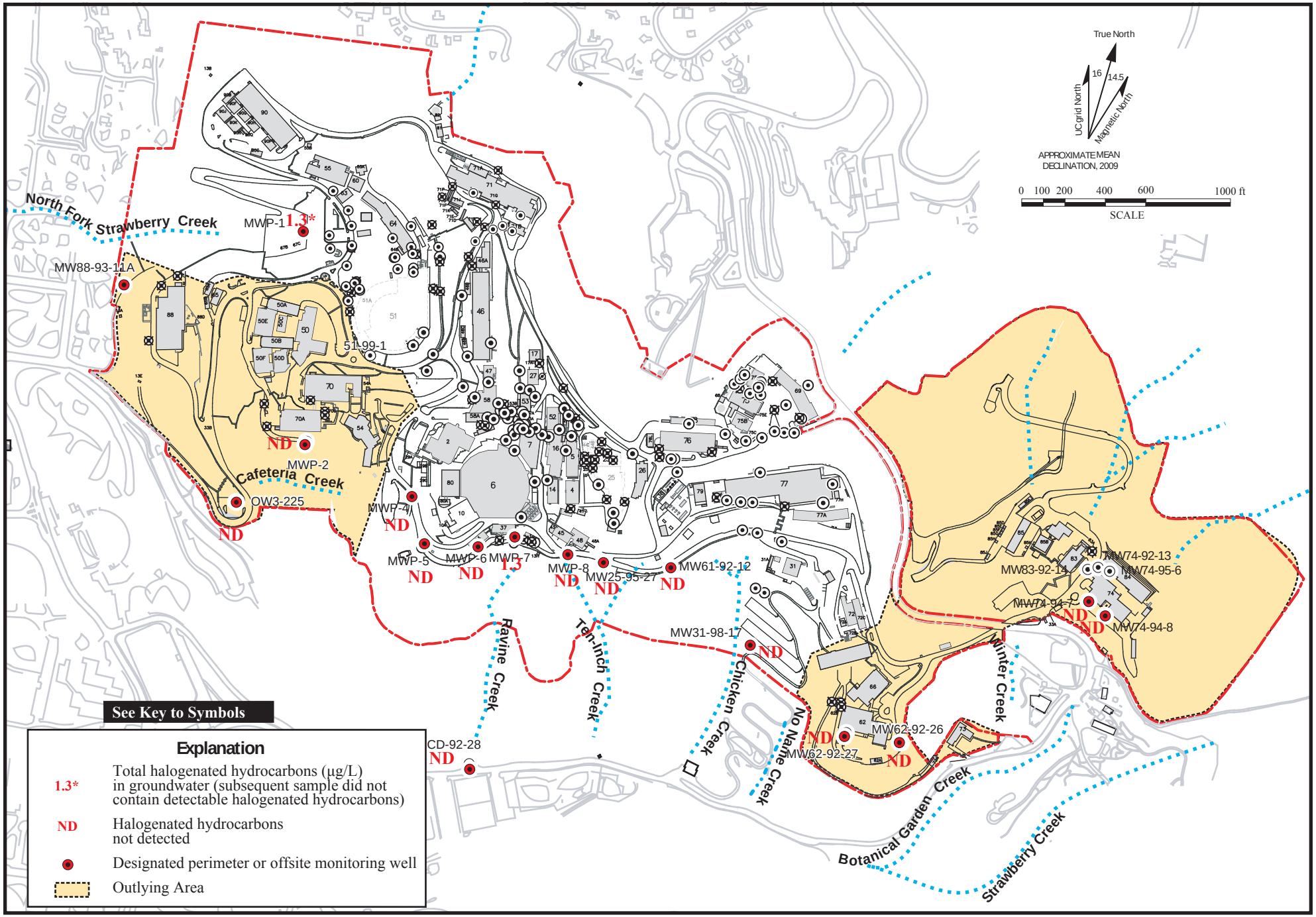



**Figure 12. Extent of Halogenated Hydrocarbons in Groundwater Above MCLs, Fourth Quarter FY12.**

12-MCLs q3-11.ai
12/12




13-q4-12-outlying.ai
12/12

**Figure 13. Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Outlying Areas and Perimeter Monitoring Wells, Fourth Quarter FY12.**

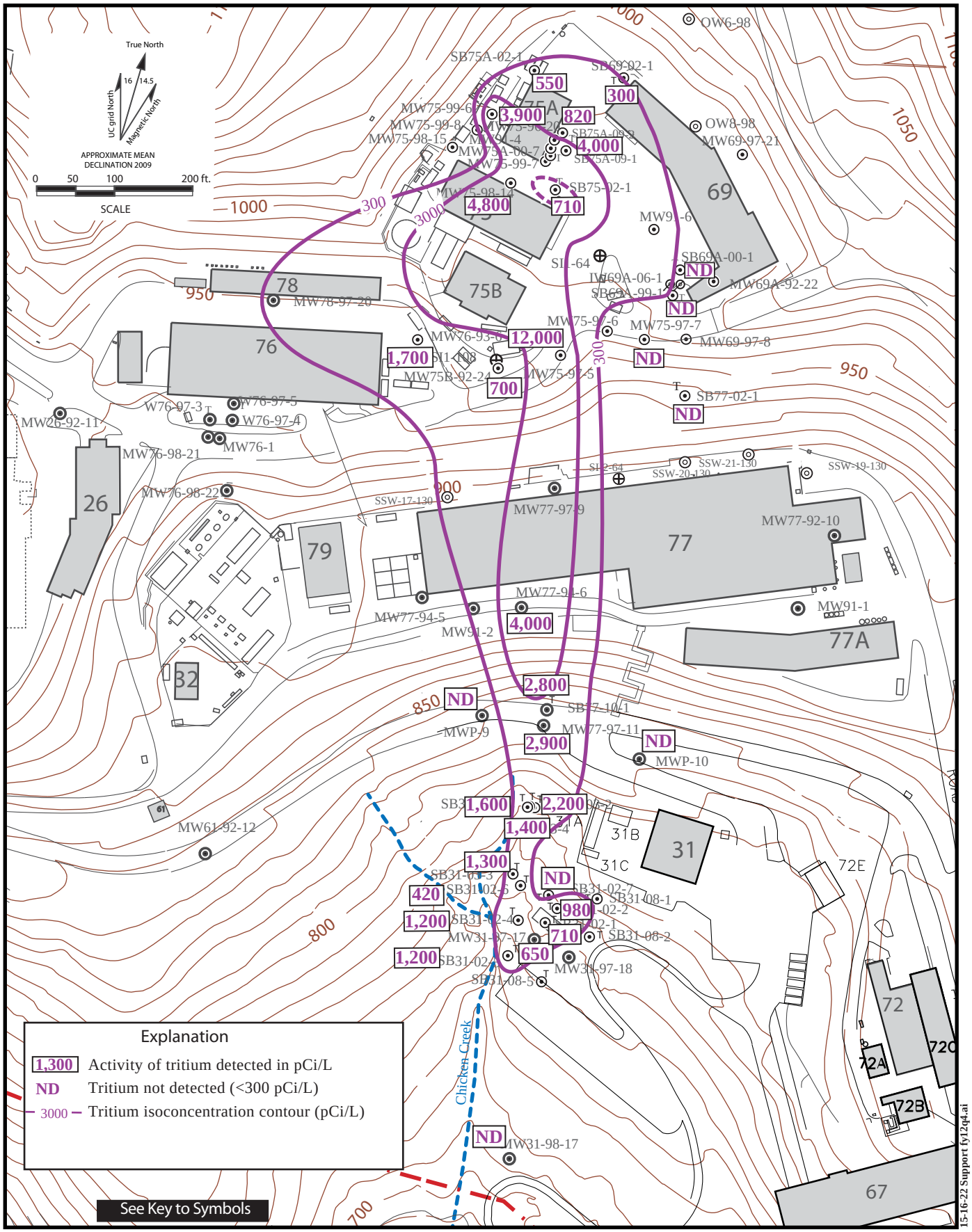



**Figure 14. Tritium Activities in Groundwater (pCi/L) in Corporation Yard Area, Fourth Quarter FY12.**

15-16-22 Support fy12q4.ai
11/12

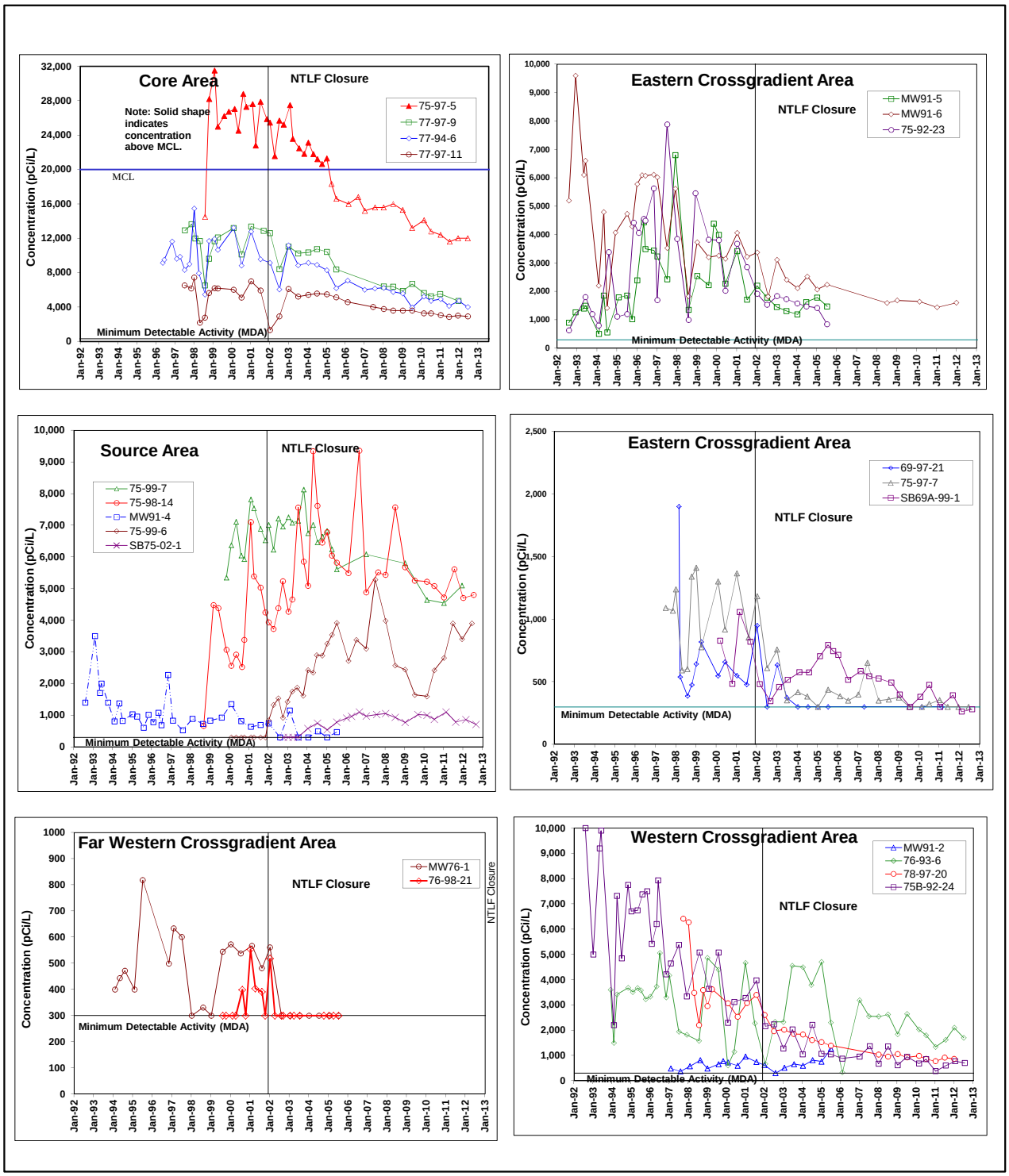



**Figure 15a. Concentration Trends for Tritium in the Source, Core, and Crossgradient Areas, Building 75 Tritium Plume.**

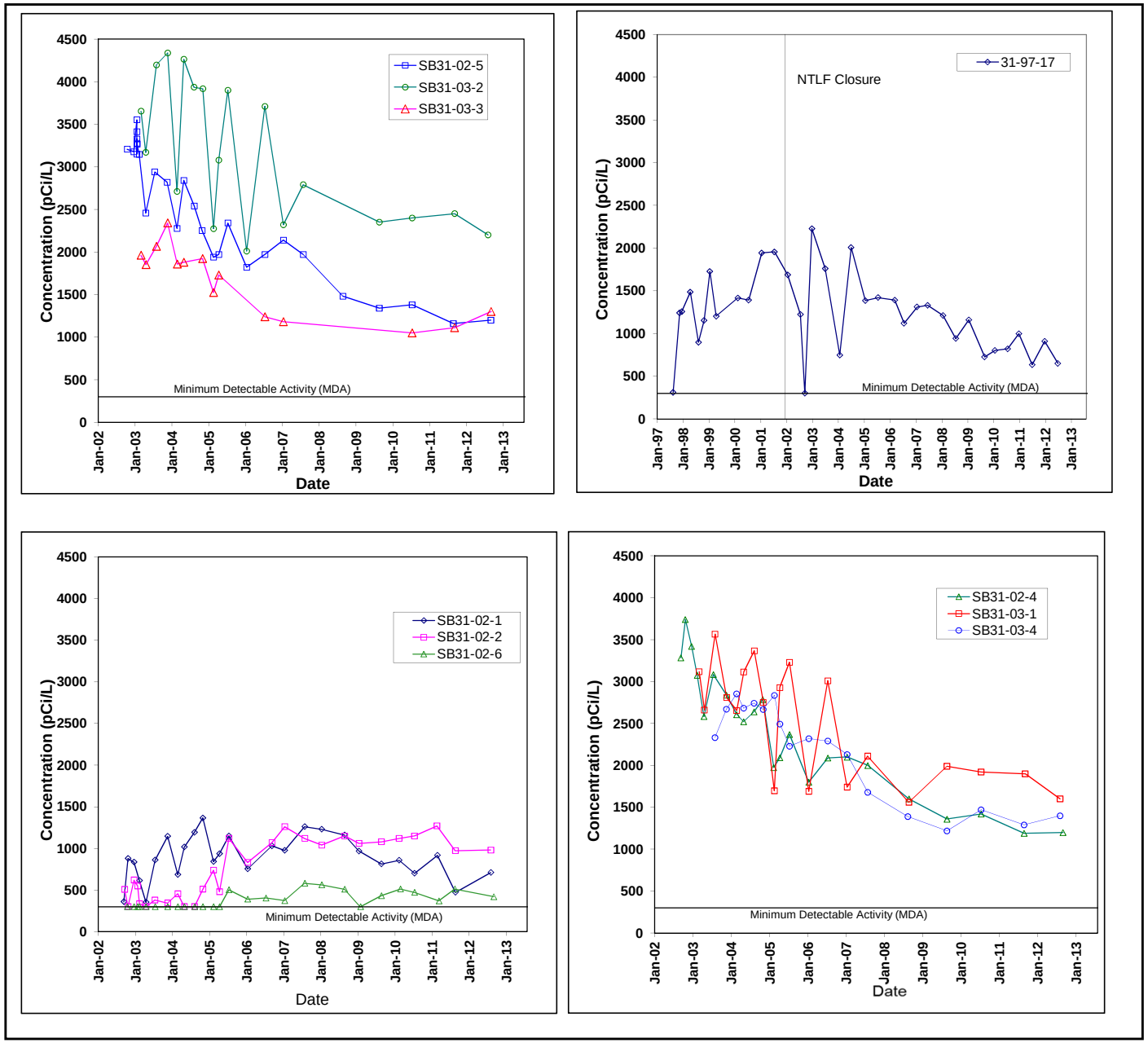



**Figure 15b. Concentration Trends for Tritium in Downgradient Plume Area, Building 75 Tritium Plume.**

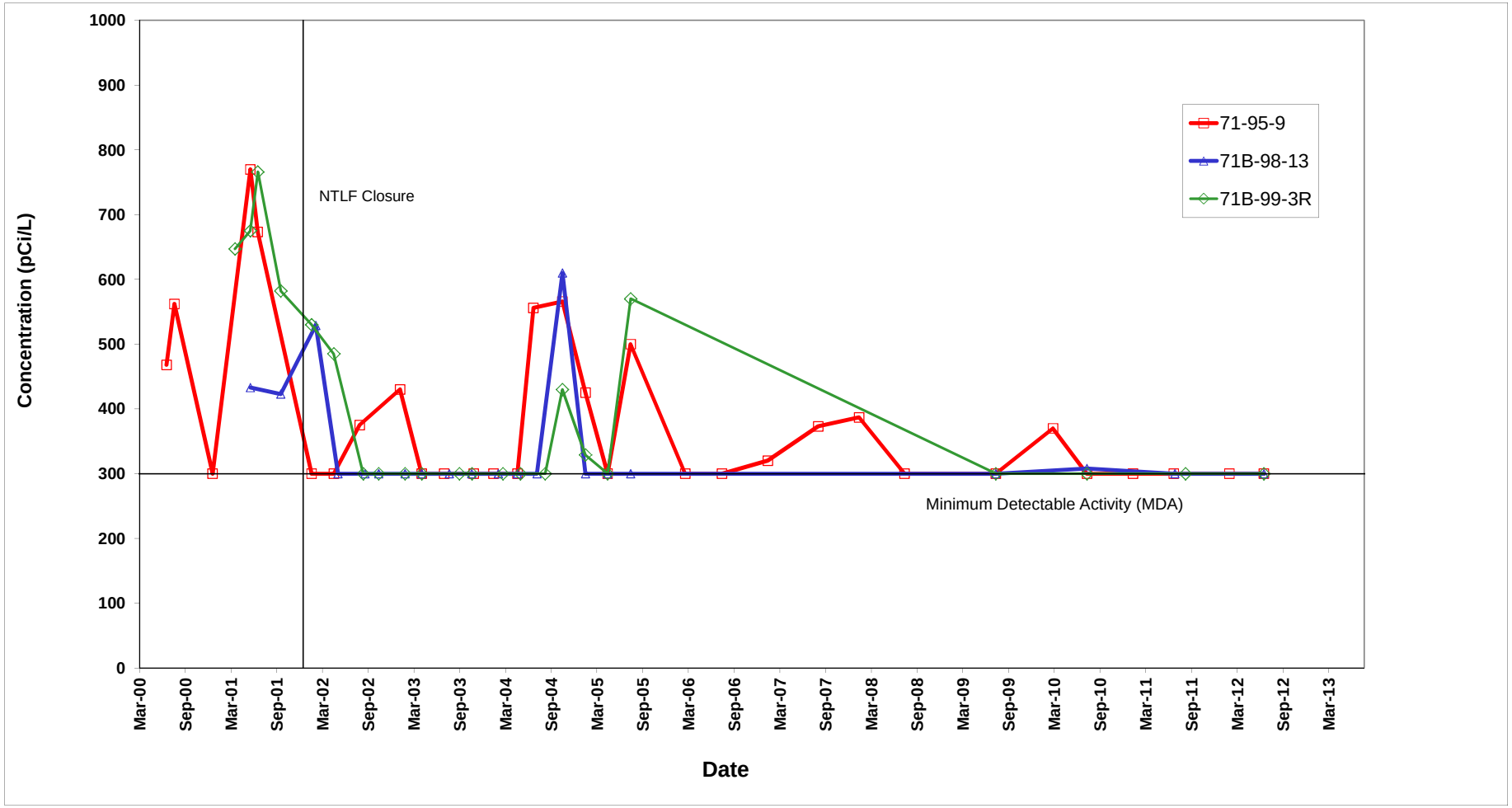



**Figure 16. Concentration Trends for Tritium in the Building 71 Area.**

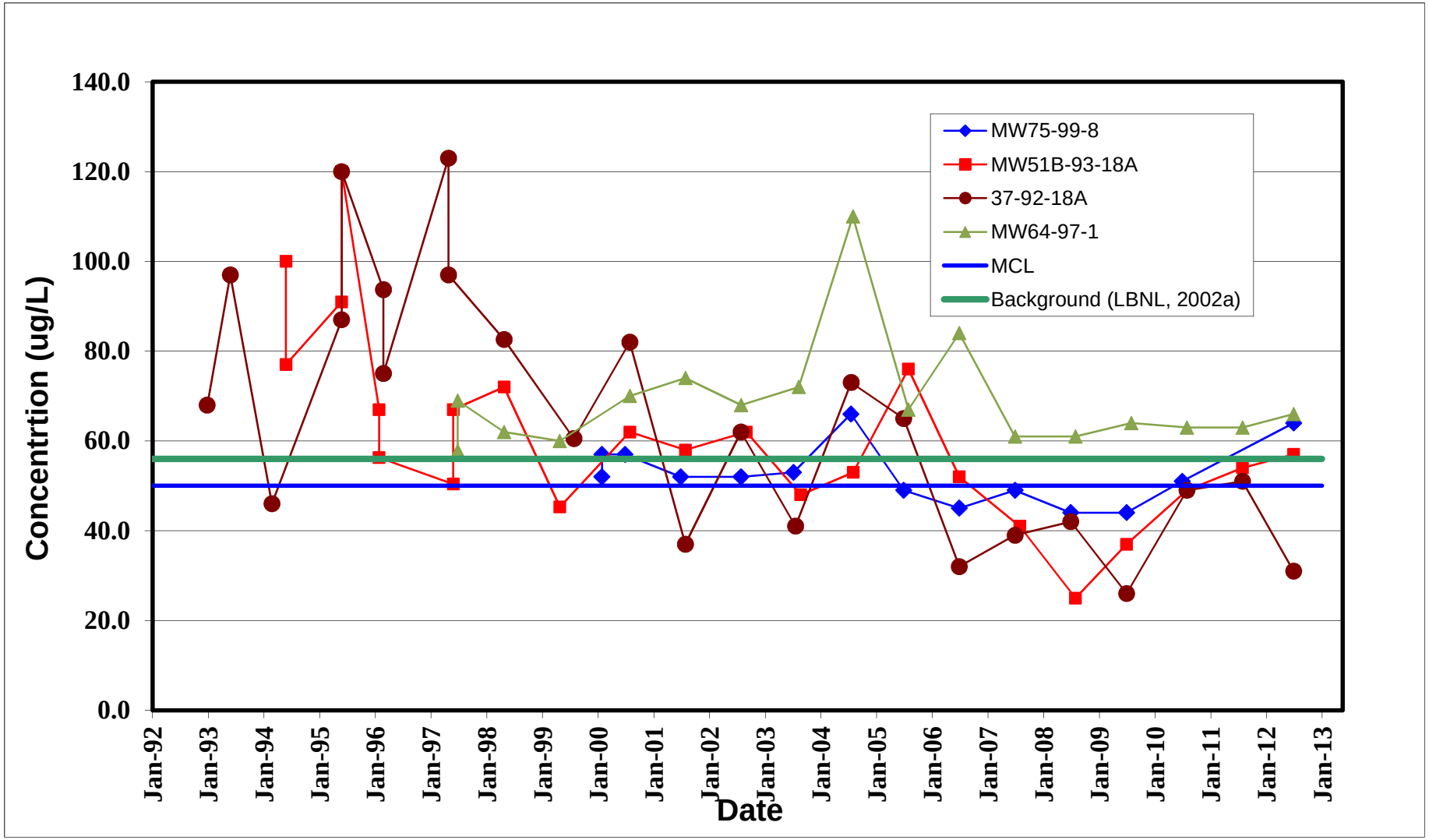



**Figure 17. Concentrations of Arsenic Detected in Groundwater.**

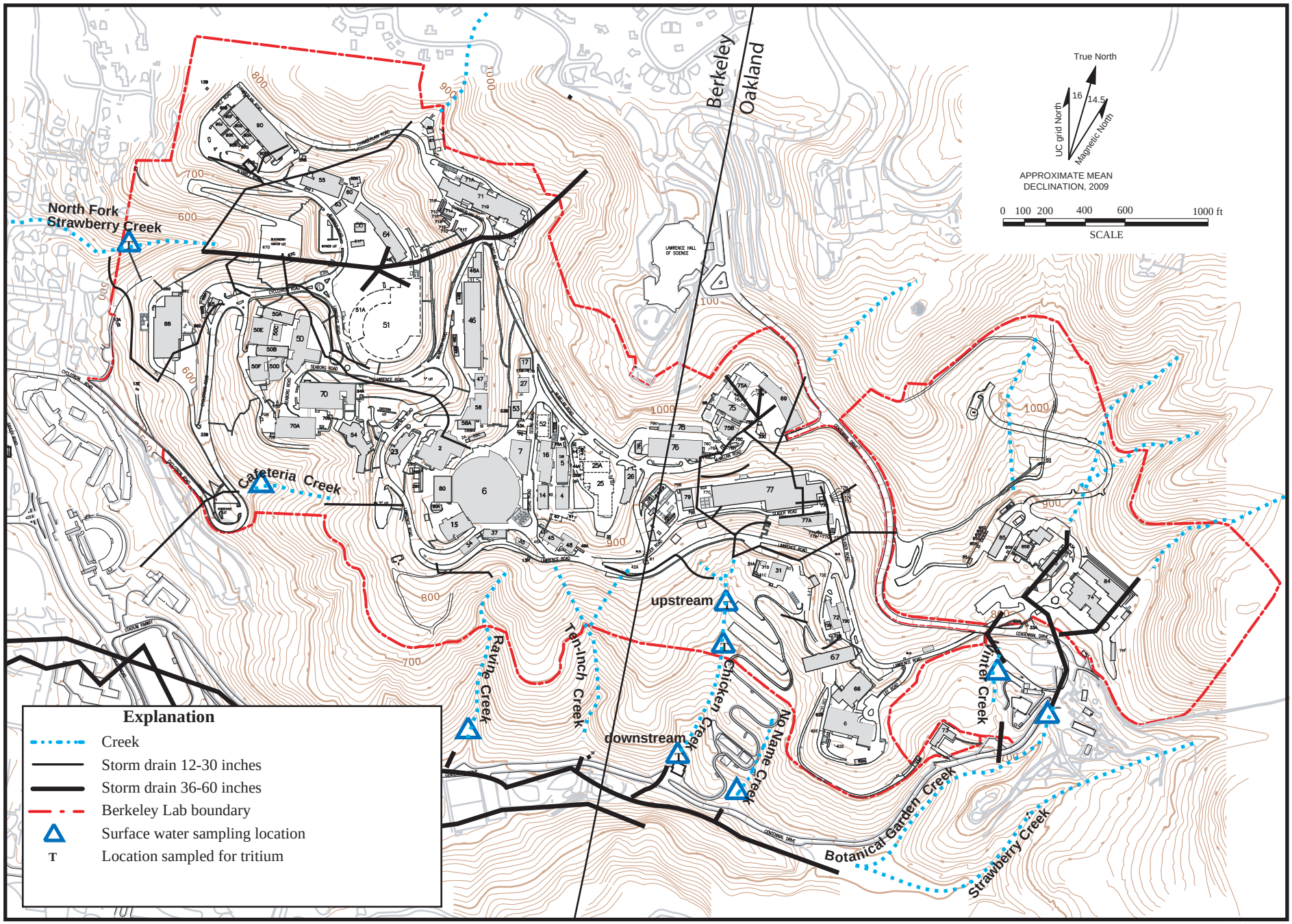
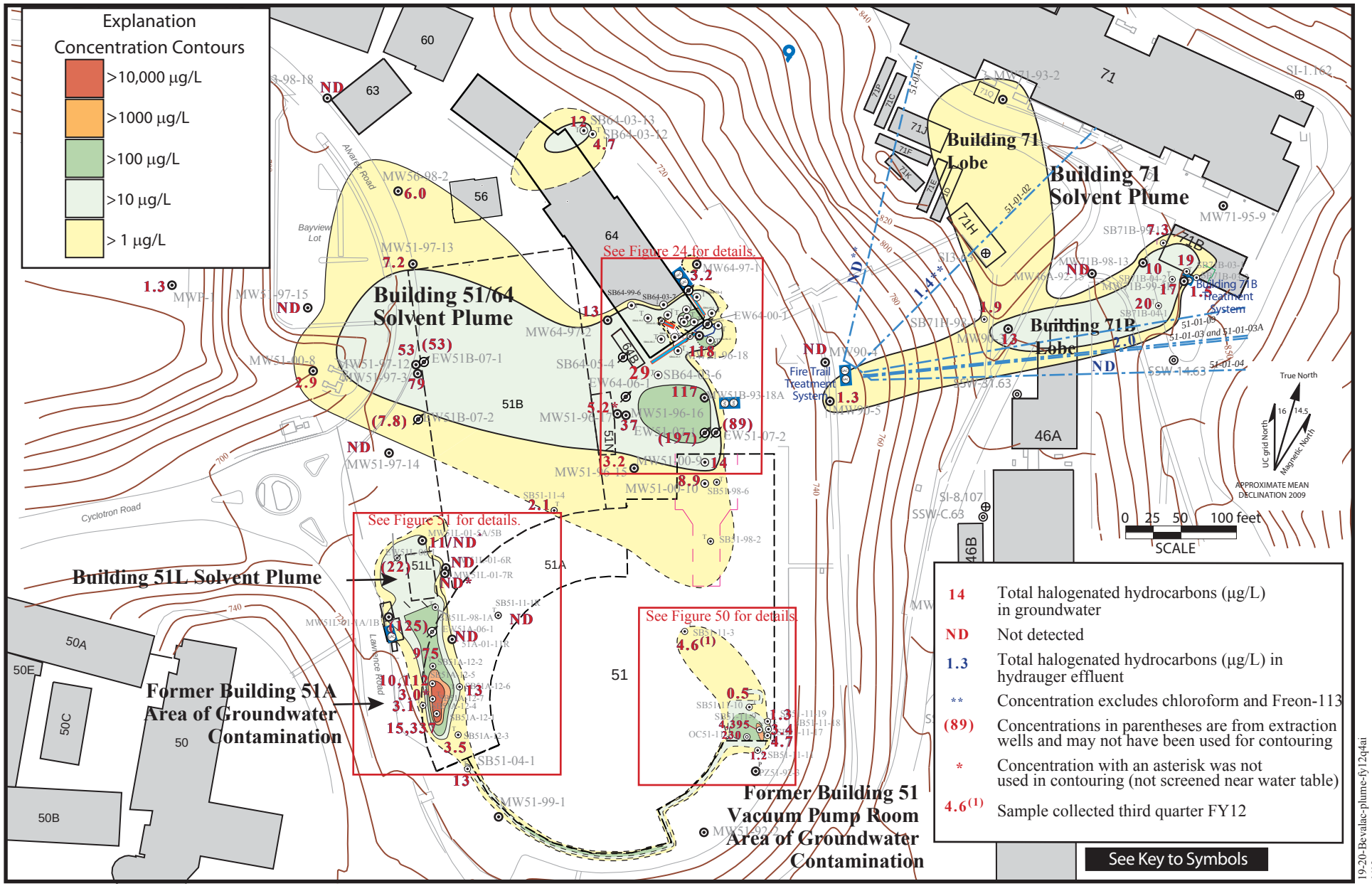



**Figure 18. Surface Water Sampling Locations, Lawrence Berkeley National Laboratory.**

02-sitemap.ai
5/12




19-20-Bevalac-plume-fy12q4ai
1/13

**Figure 19. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Bevalac Area, Fourth Quarter FY12.**

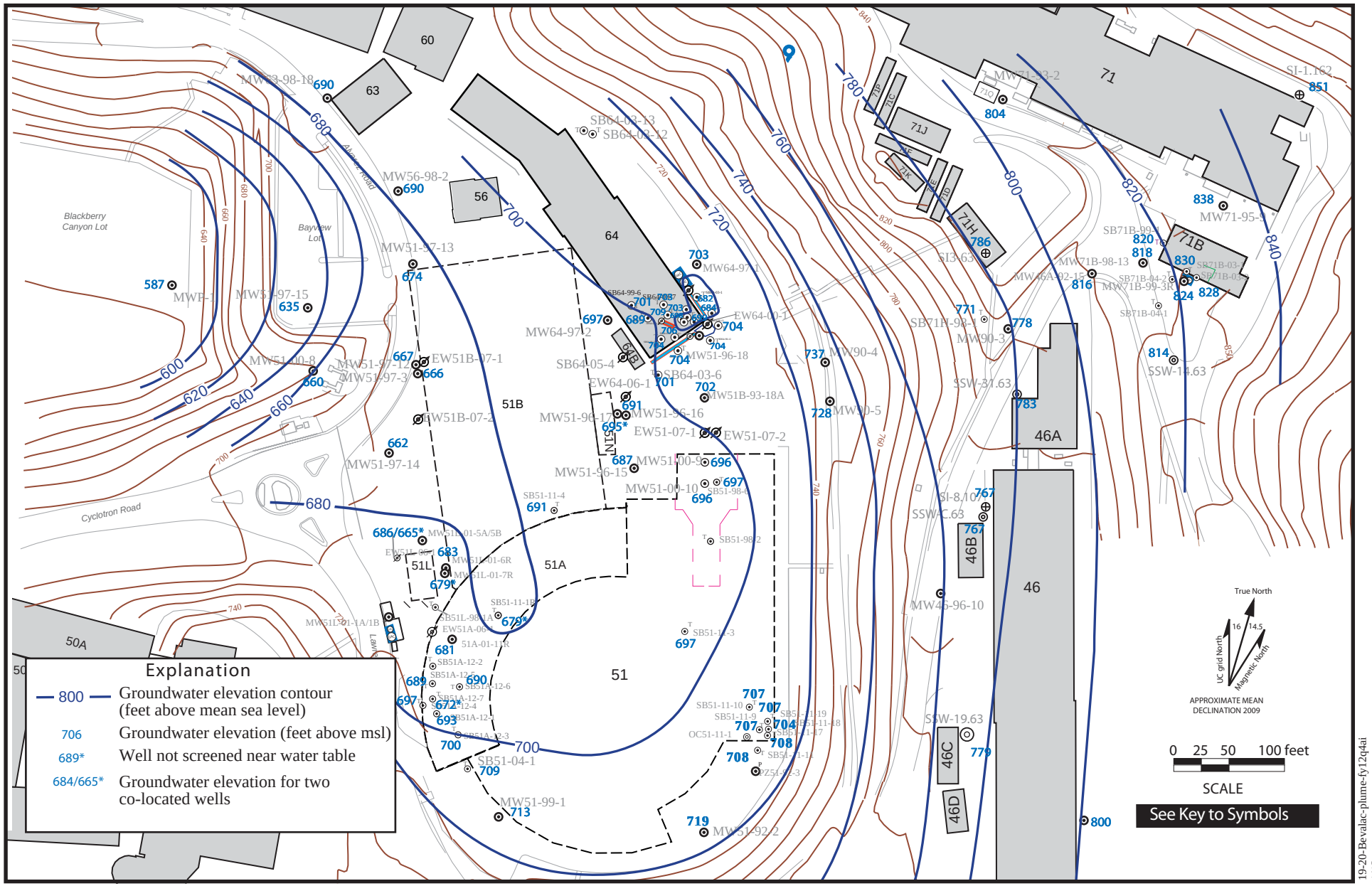
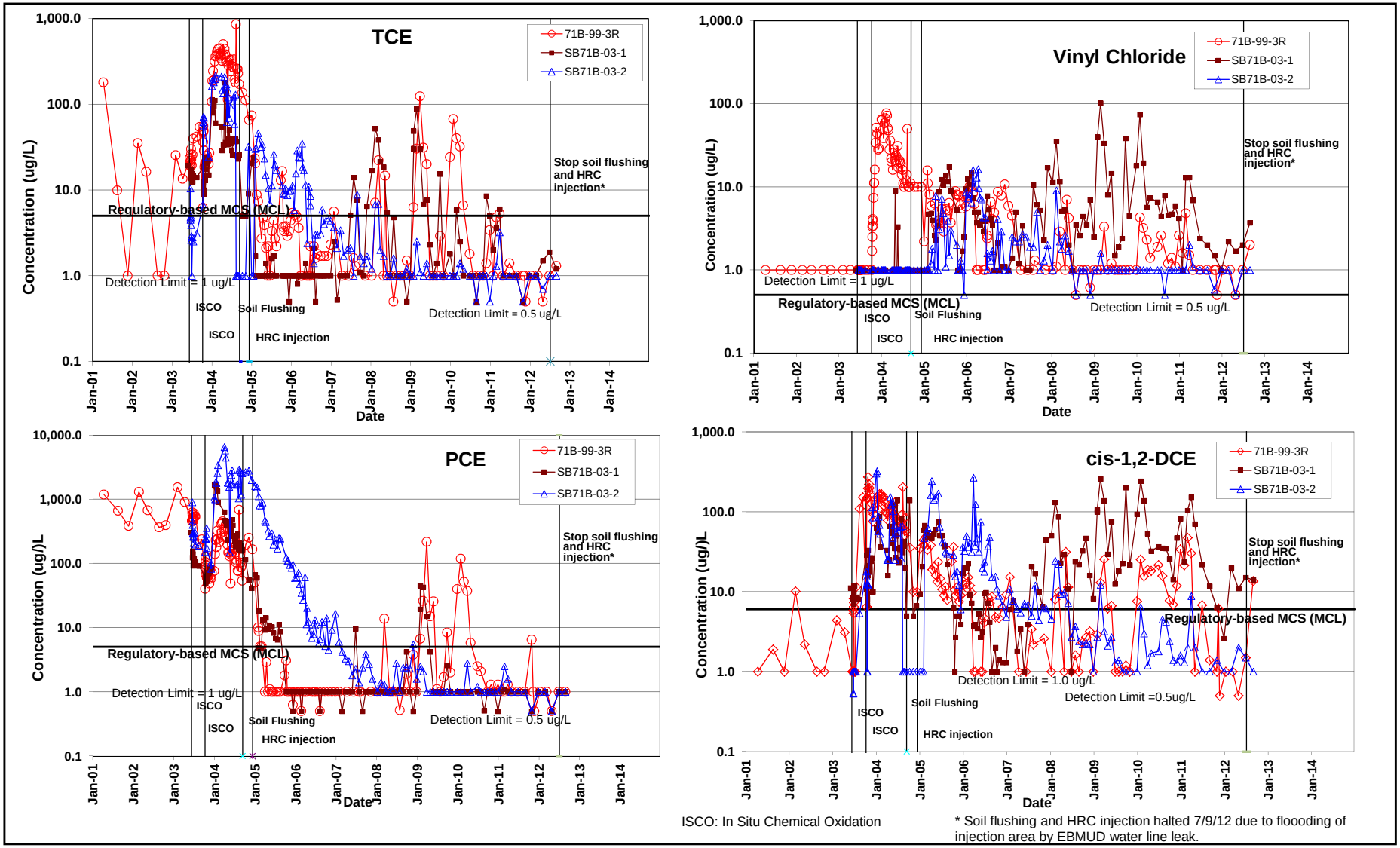



**Figure 20. Water Level Elevation Map in the Bevalac Area, August 2012.**




ISCO: In Situ Chemical Oxidation

* Soil flushing and HRC injection halted 7/9/12 due to floooding of injection area by EBMUD water line leak.

**Figure 21. Concentration Trends for Individual VOCs, Building 71B Plume Source Area.**

21-22-71B to 10-12.xls

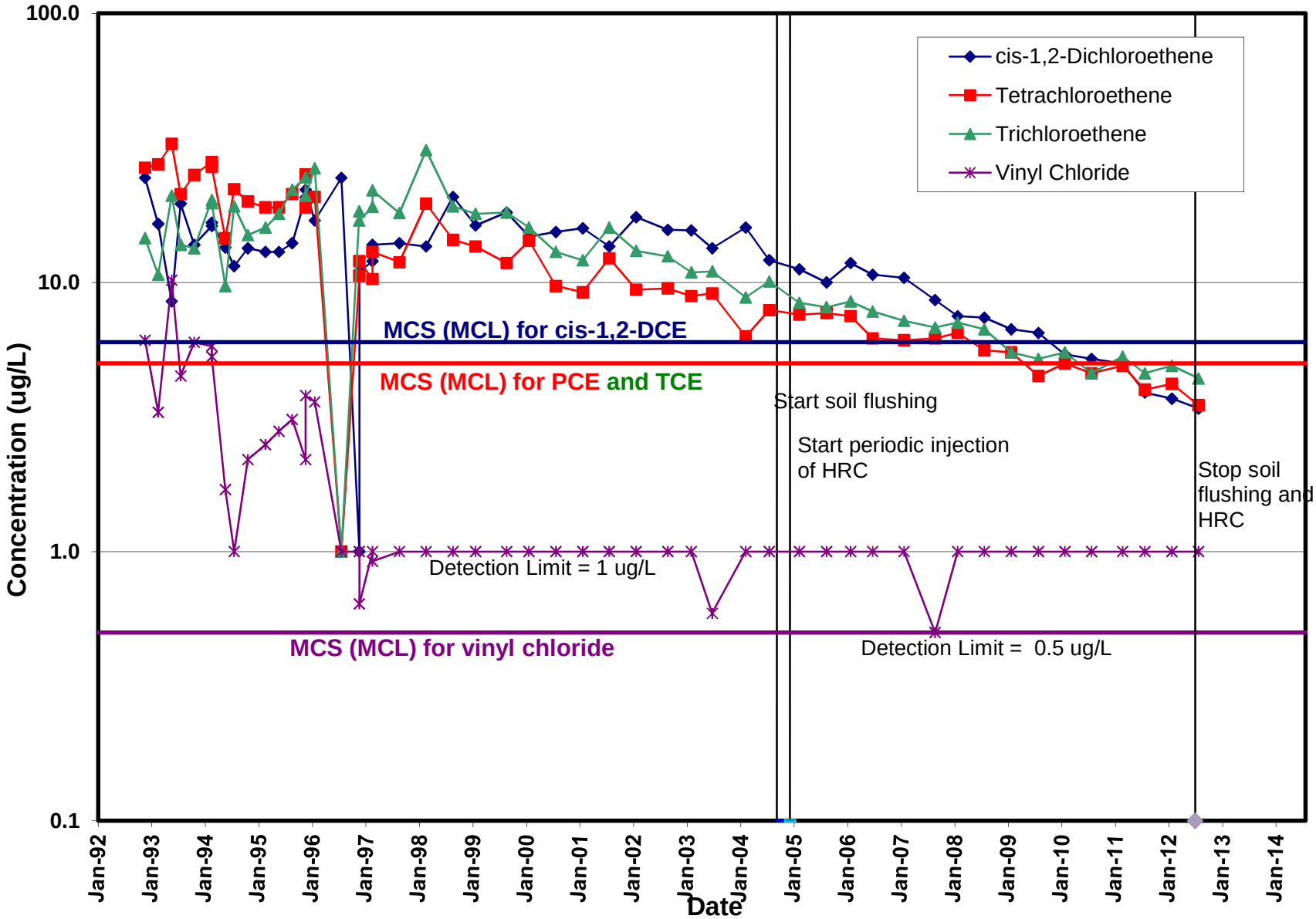



**Figure 22. Concentration Trends for Individual VOCs, MW90-3 - Building 71B Plume Core Area.**

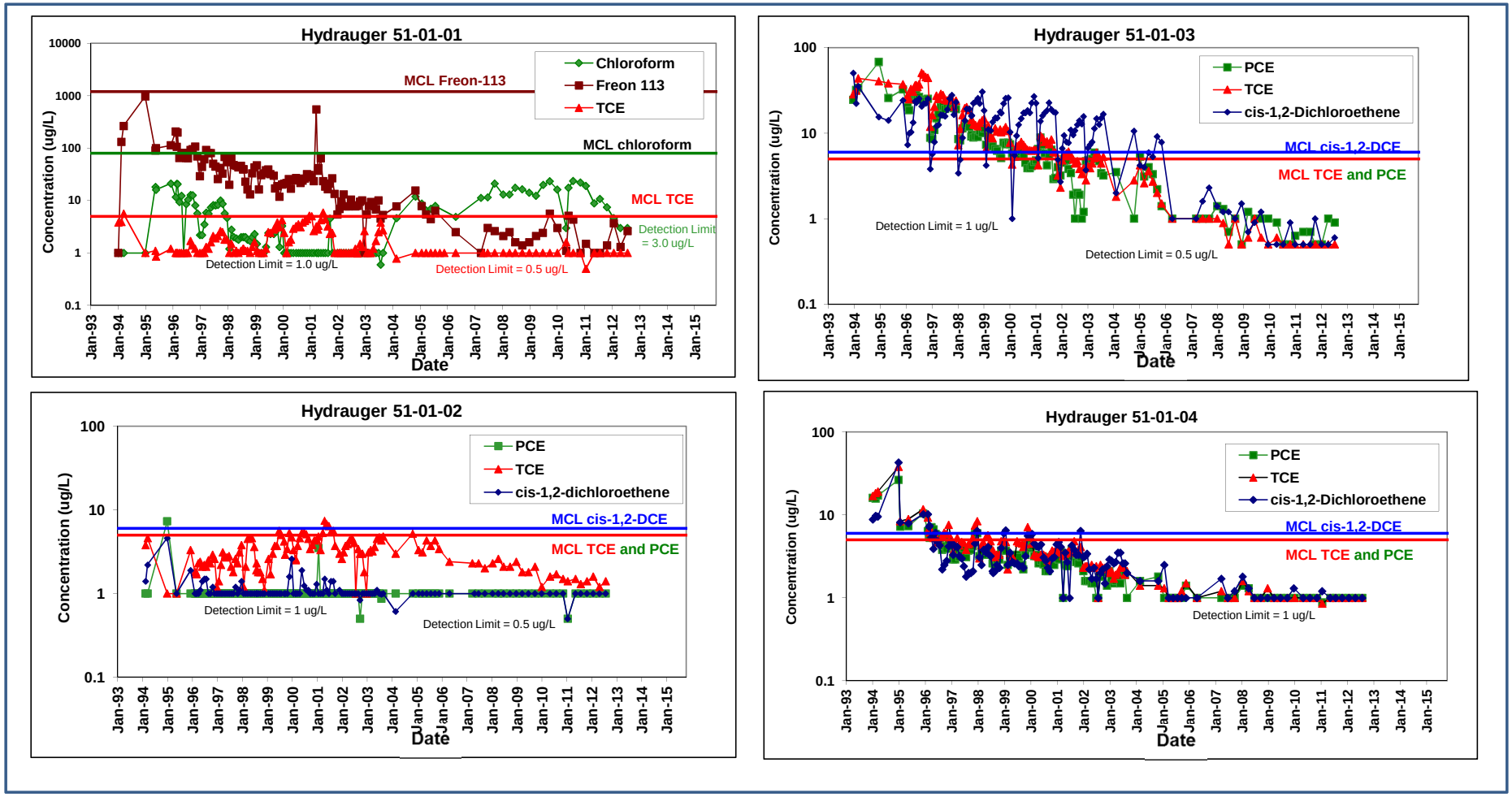



**Figure 23. Concentration Trends for VOCs in Hydrauger Effluent.**

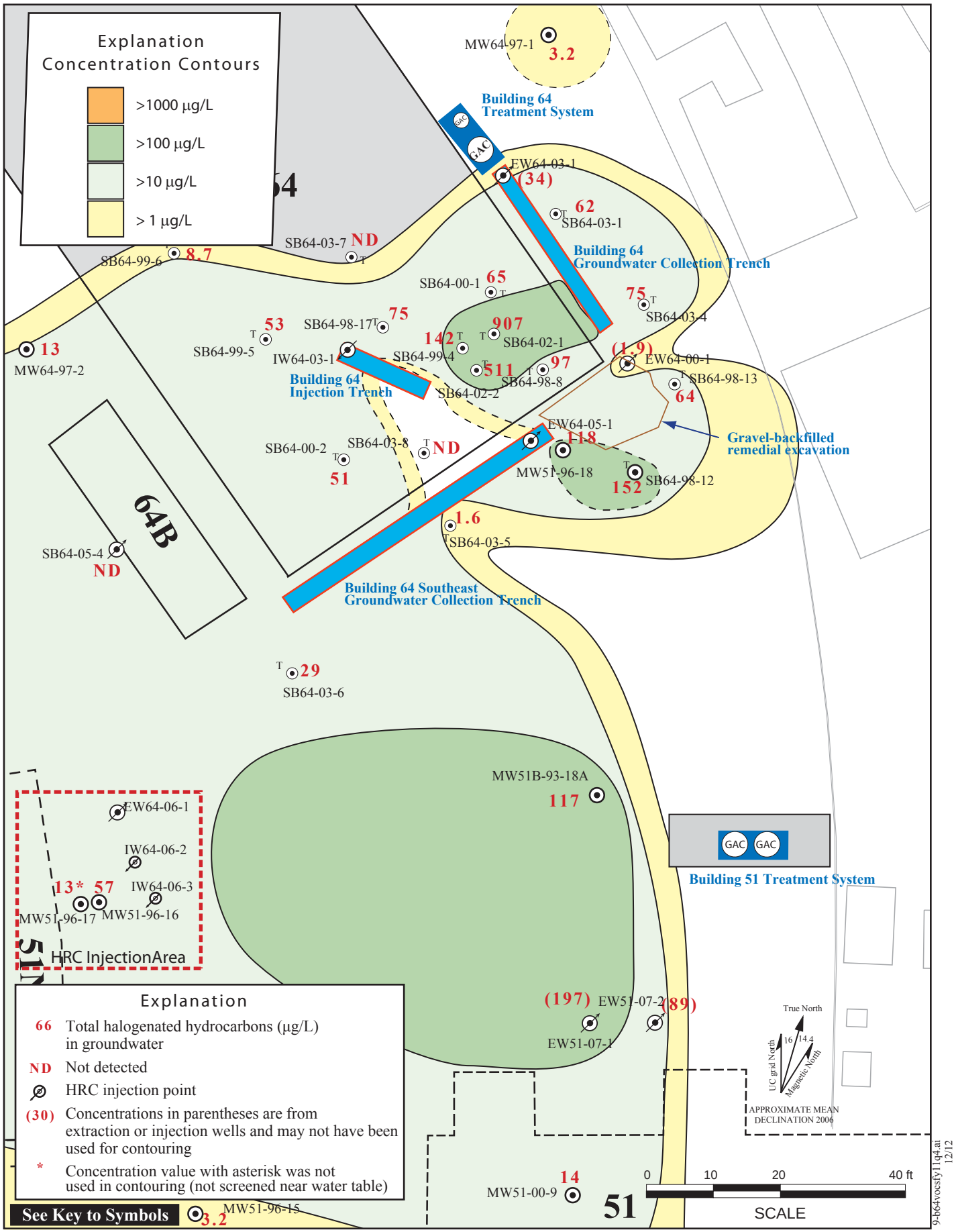



**Figure 24. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Source Area of the Building 51/64 Solvent Plume, Fourth Quarter FY12.**

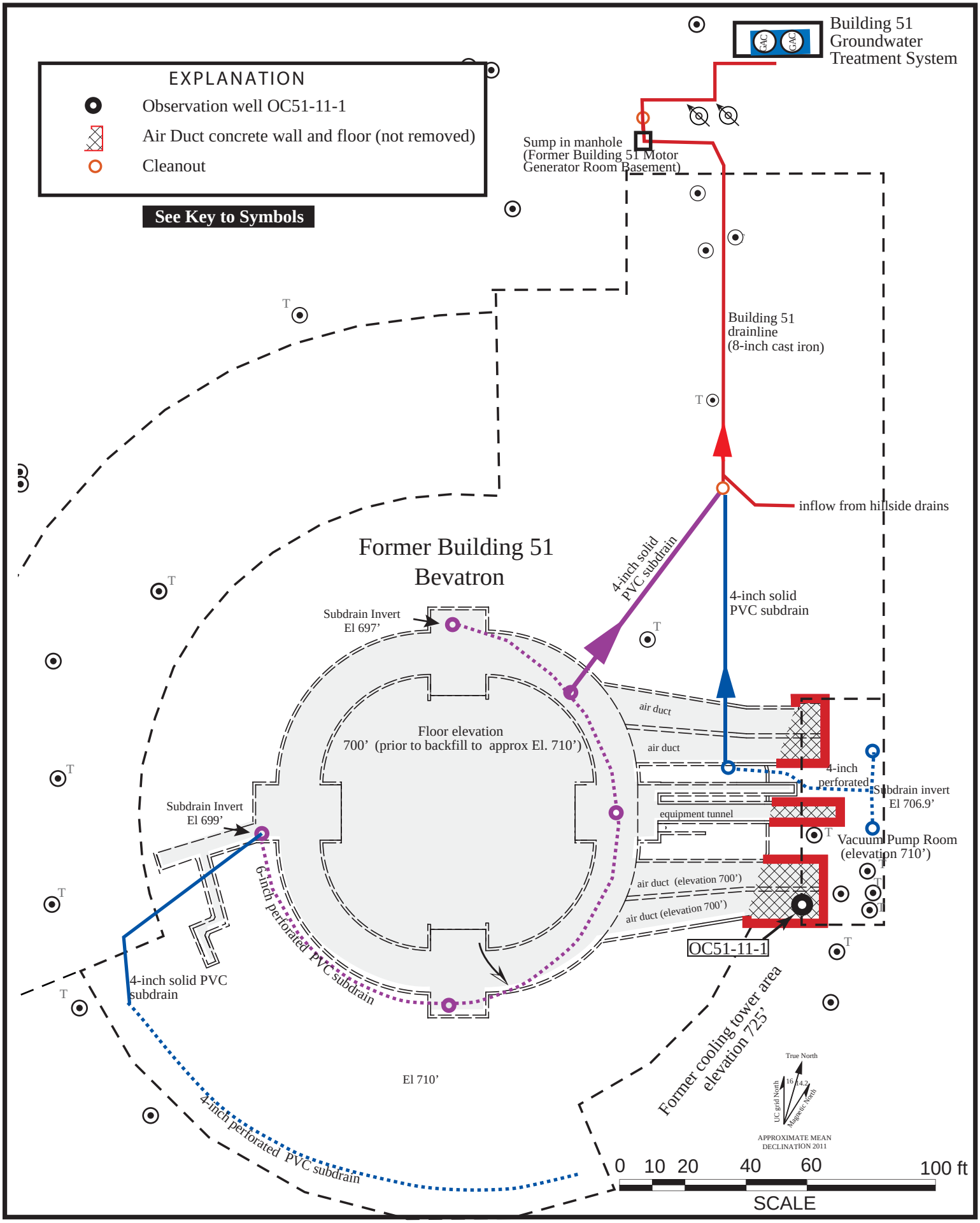



**Figure 25. Building 51 Subdrain System.**

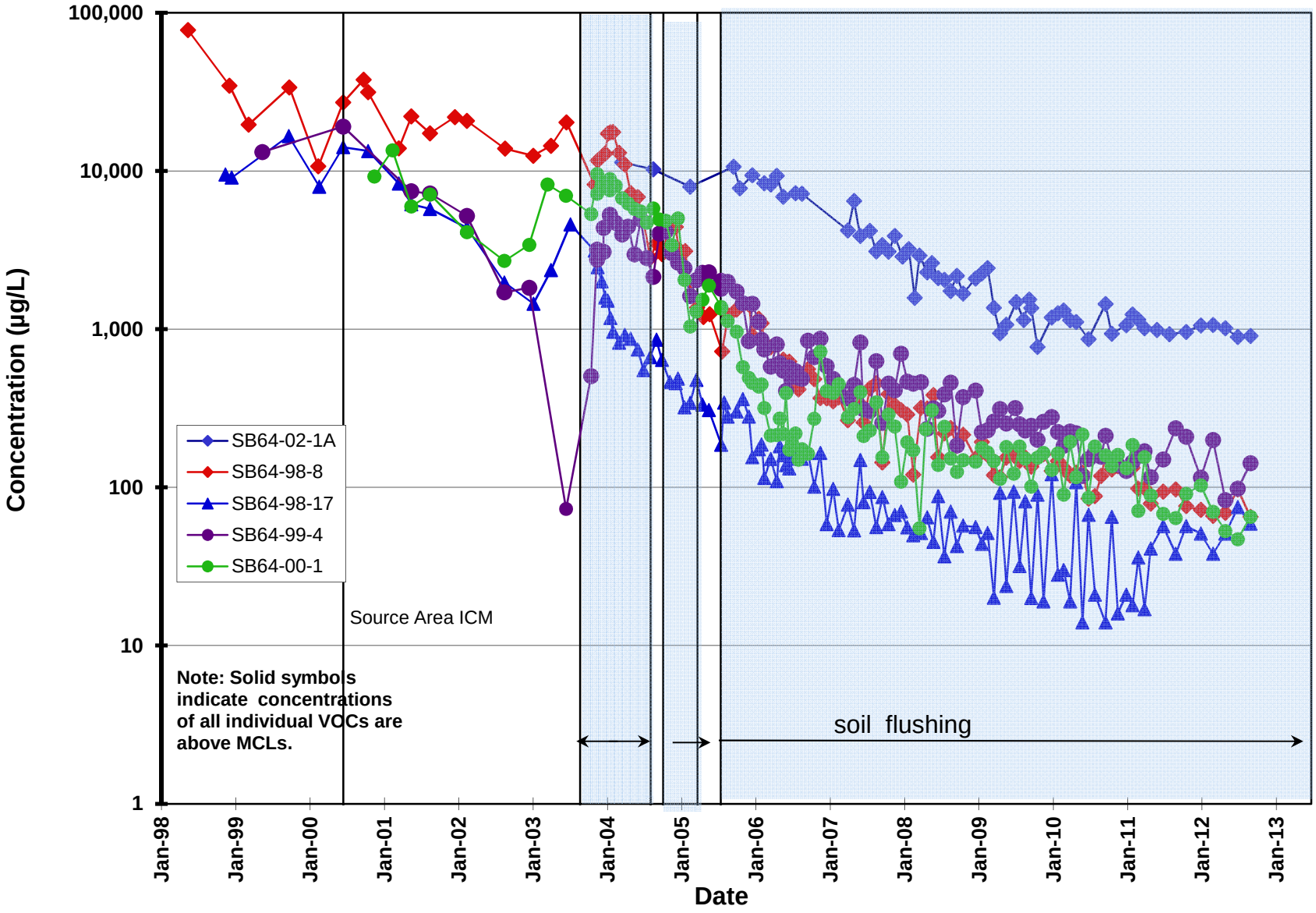



**Figure 26a. Concentration Trends for Total VOCs in the Source Area of the Building 51/64 Groundwater Solvent Plume.**

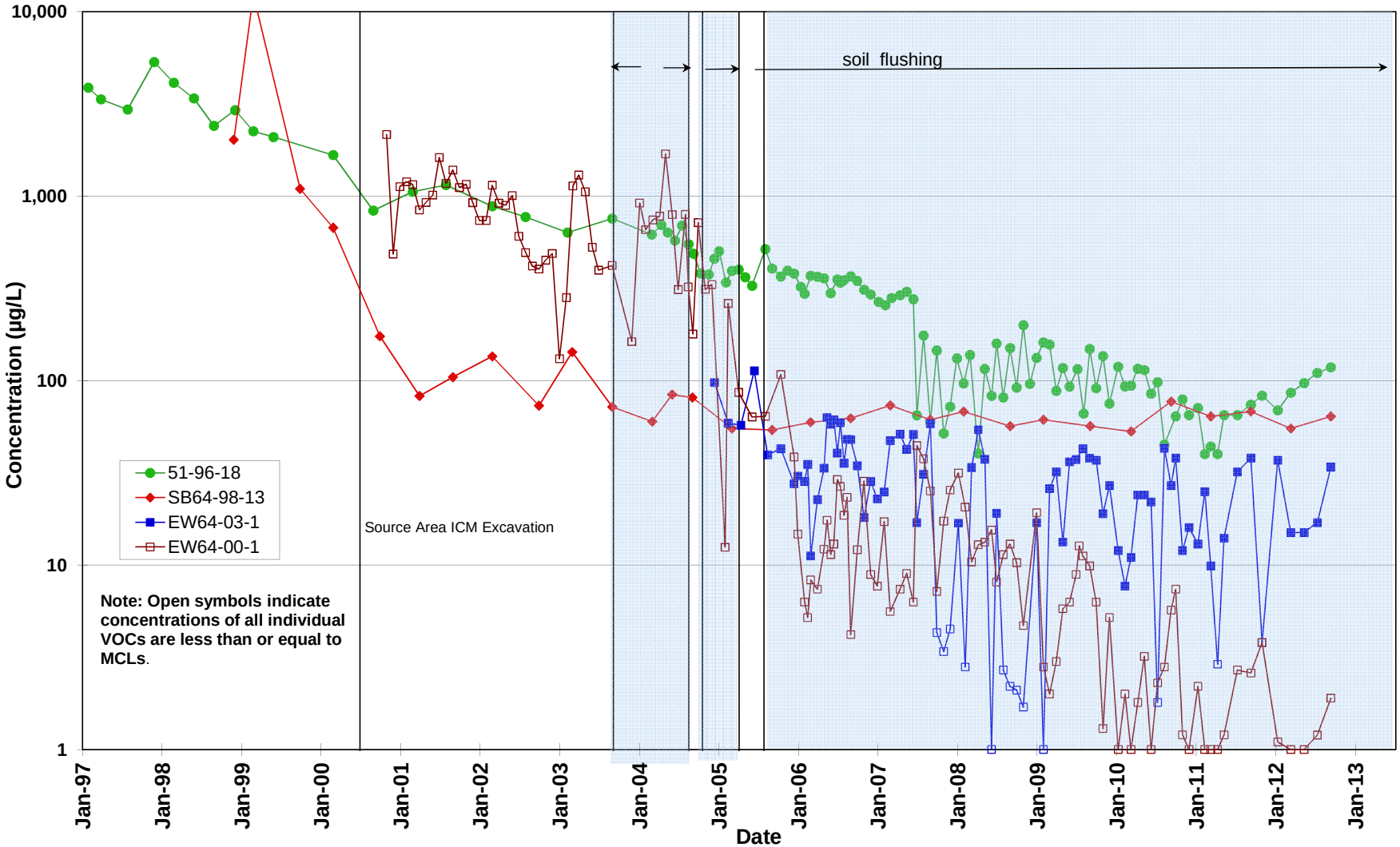



**Figure 26b. Concentration Trends for Total VOCs in the Source Area of the Building 51/64 Groundwater Solvent Plume.**

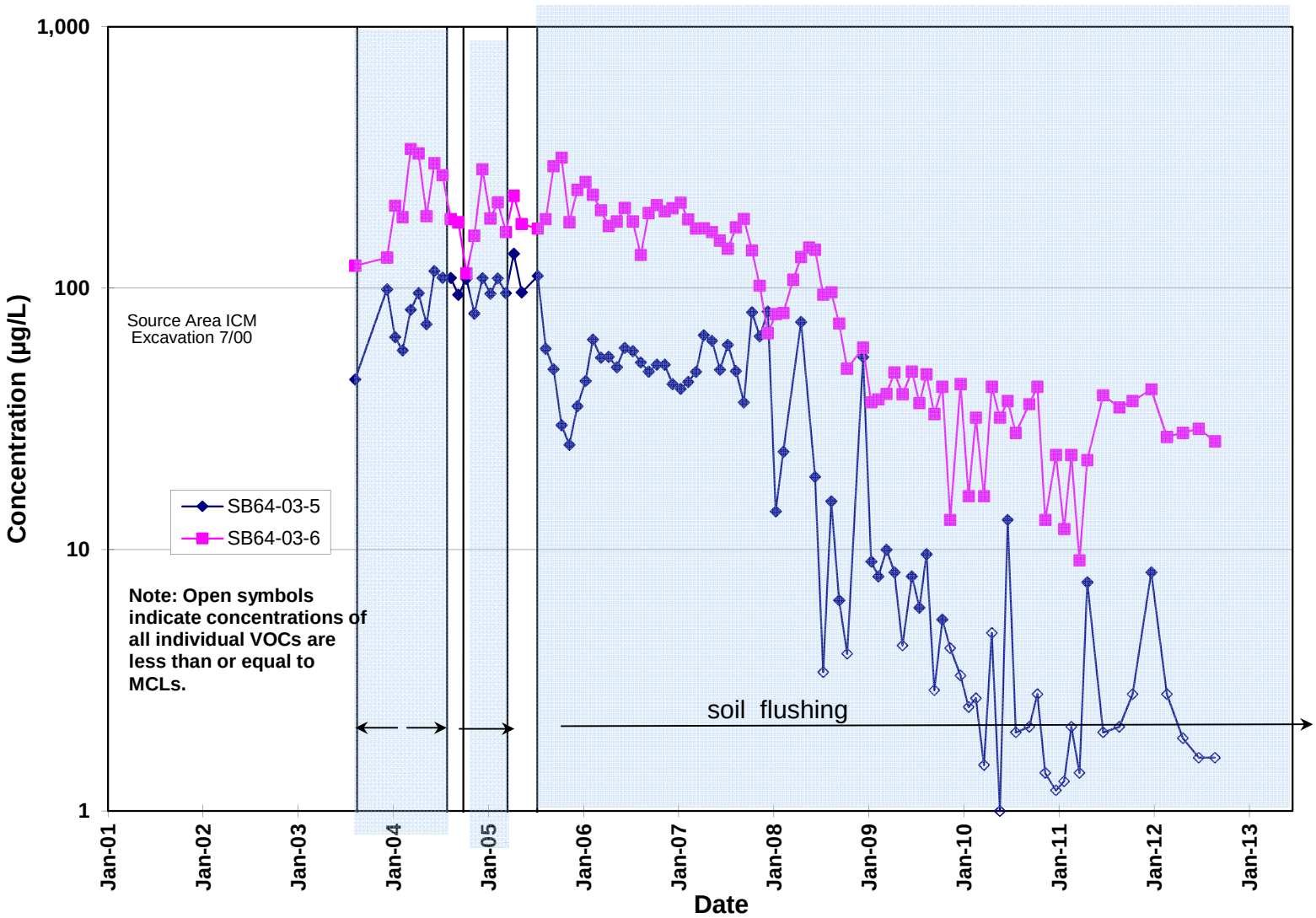



**Figure 27. Concentration Trends for Total VOCs in the Upgradient Core Area of the Building 51/64 Groundwater Solvent Plume.**

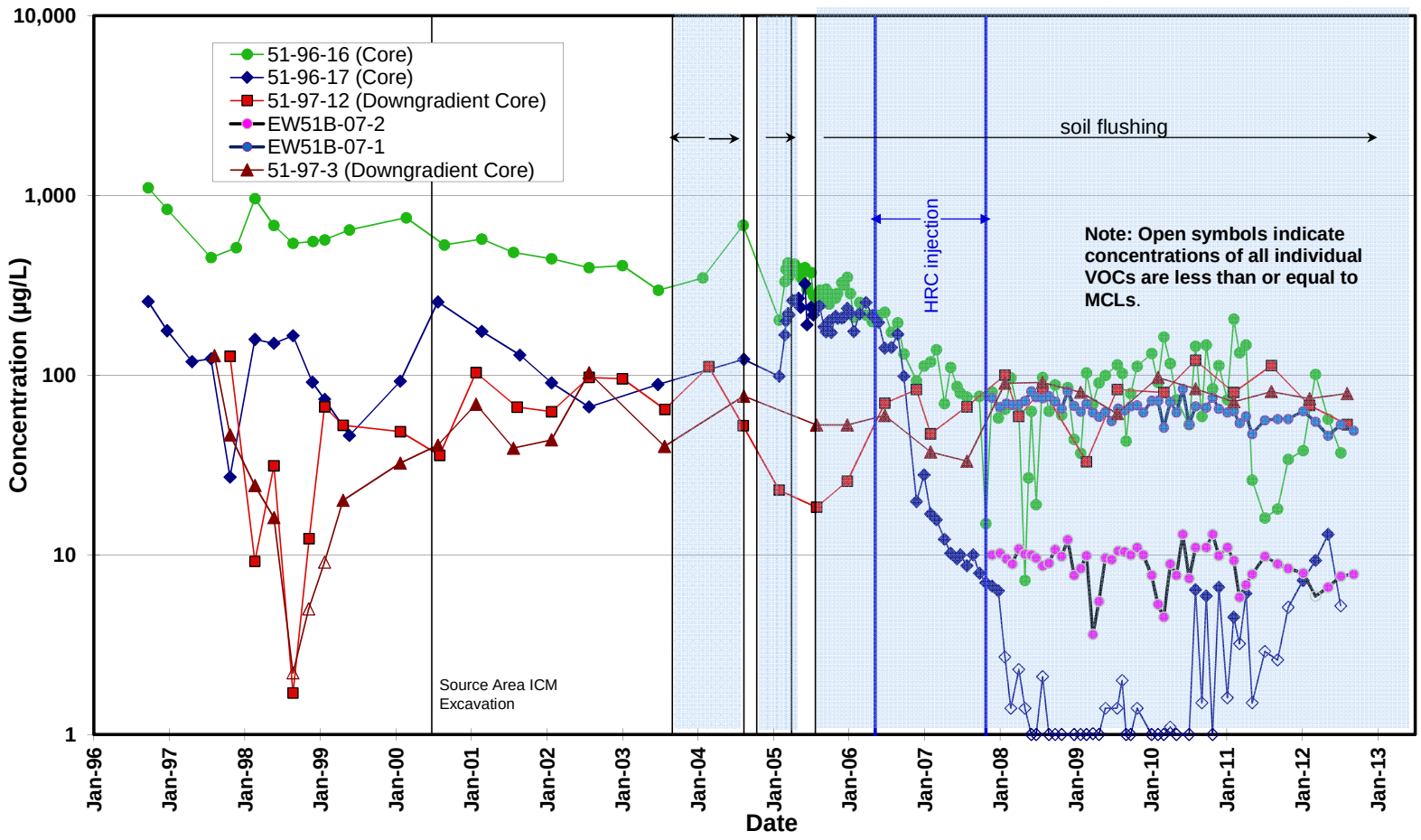



**Figure 28. Concentration Trends for Total VOCs in the Core and Downgradient Areas of the Building 51/64 Groundwater Solvent Plume.**

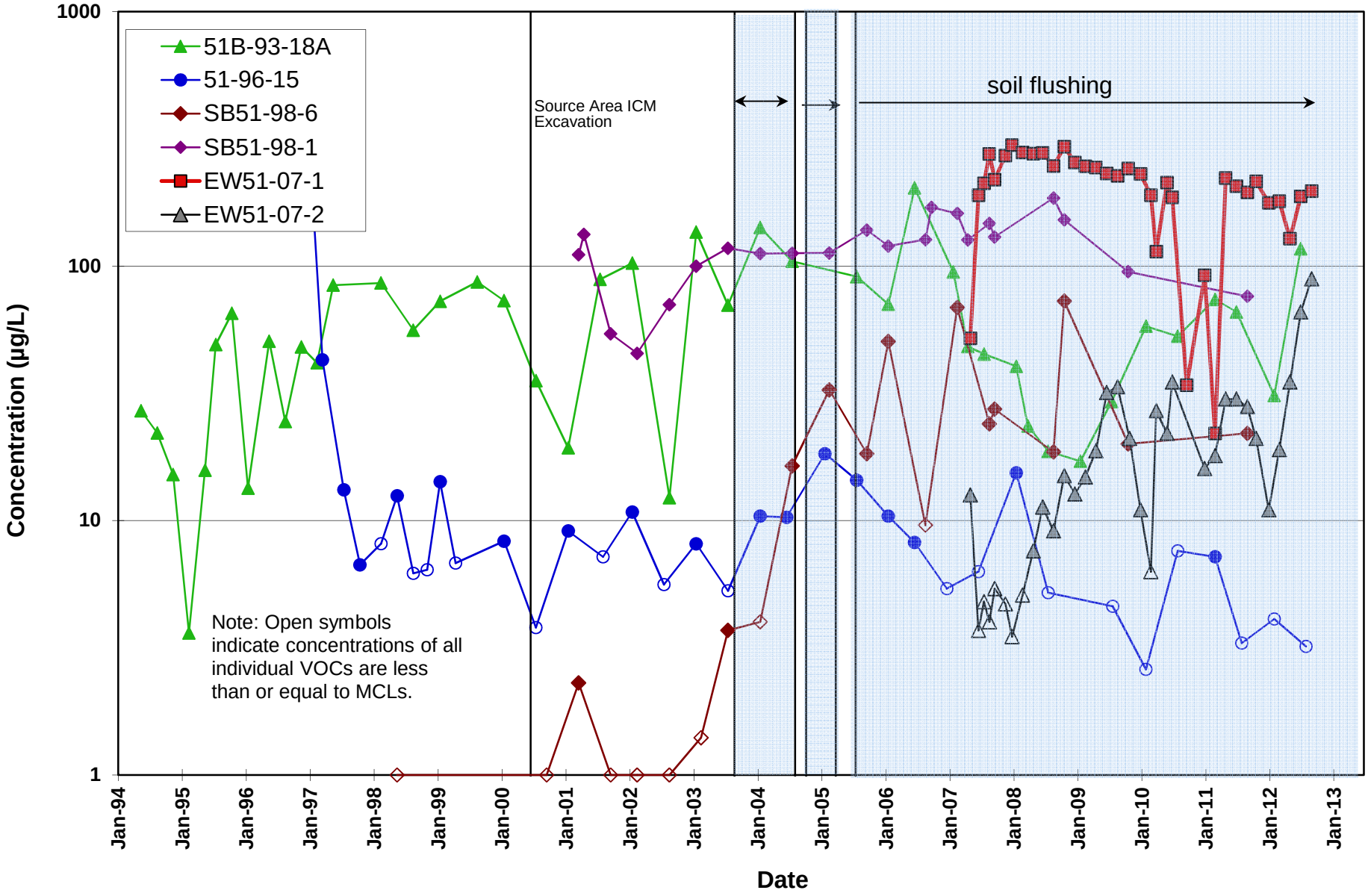



**Figure 29a. Concentration Trends for Total VOCs in the Southeastern Crossgradient Area of the Building 51/64 Groundwater Solvent Plume.**

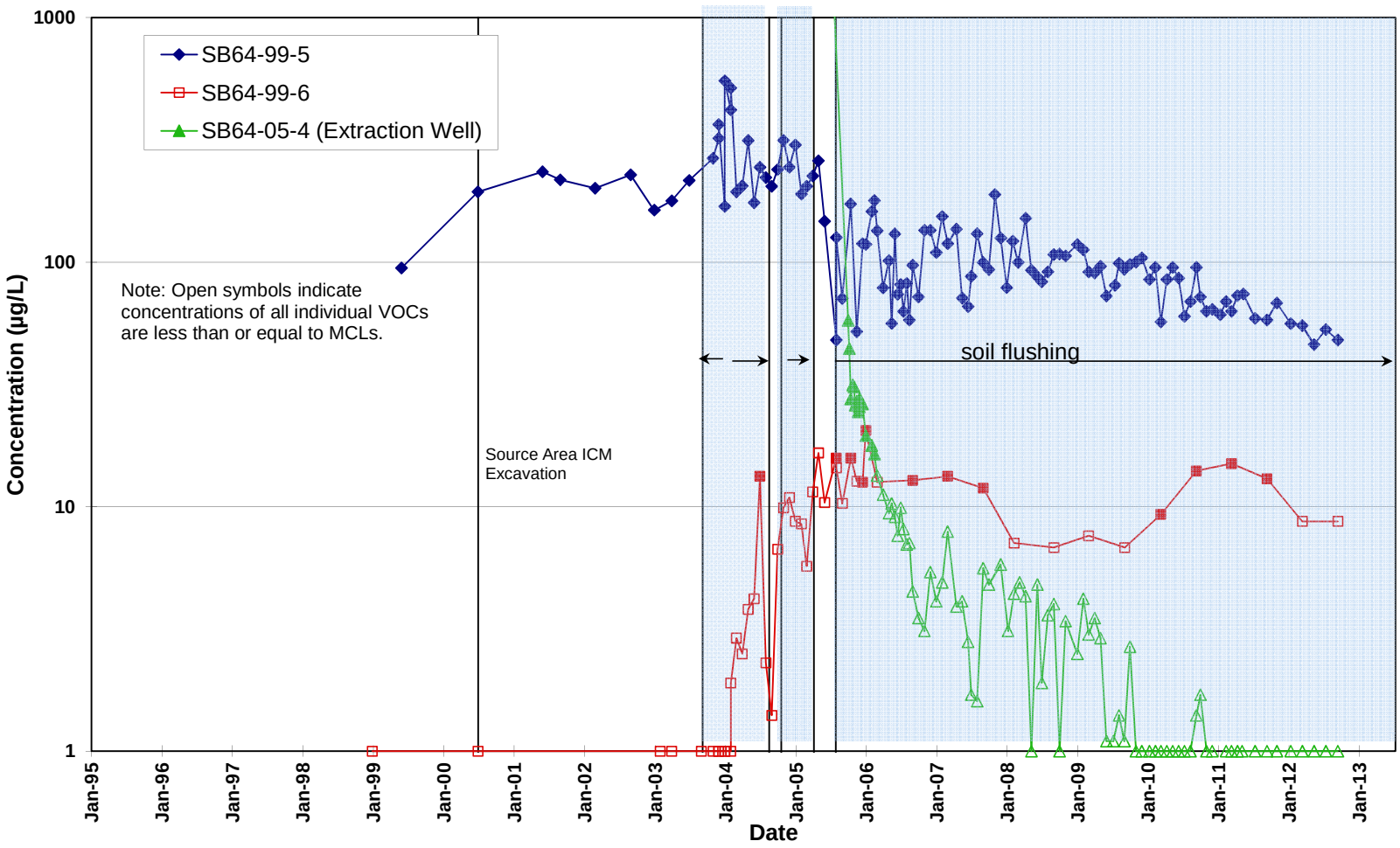



**Figure 29b. Concentration Trends for Total VOCs in the Northwestern Crossgradient Area of the Building 51/64 Groundwater Solvent Plume.**

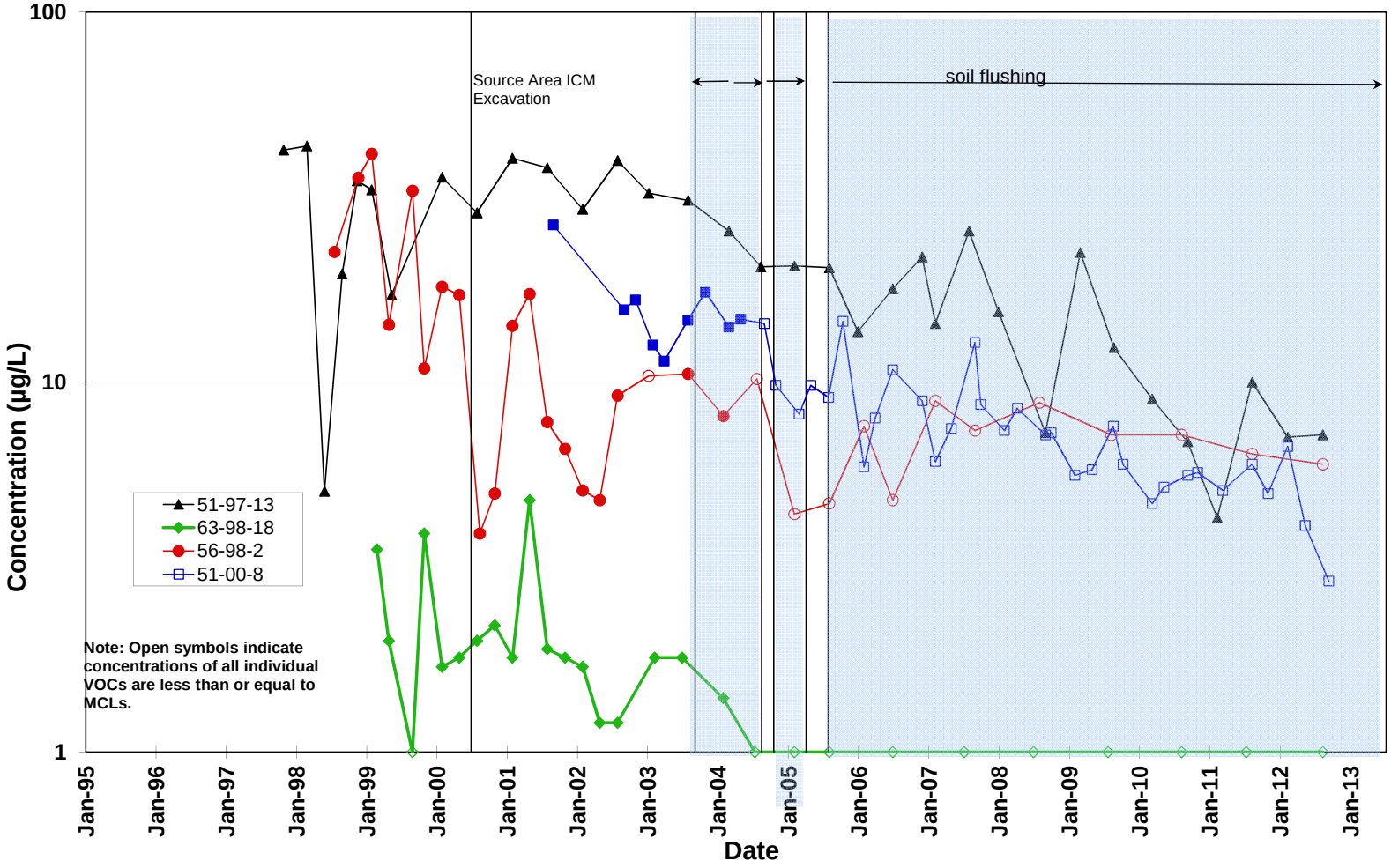



**Figure 30. Concentration Trends for Total VOCs in the Downgradient Area of the Building 51/64 Groundwater Solvent Plume.**

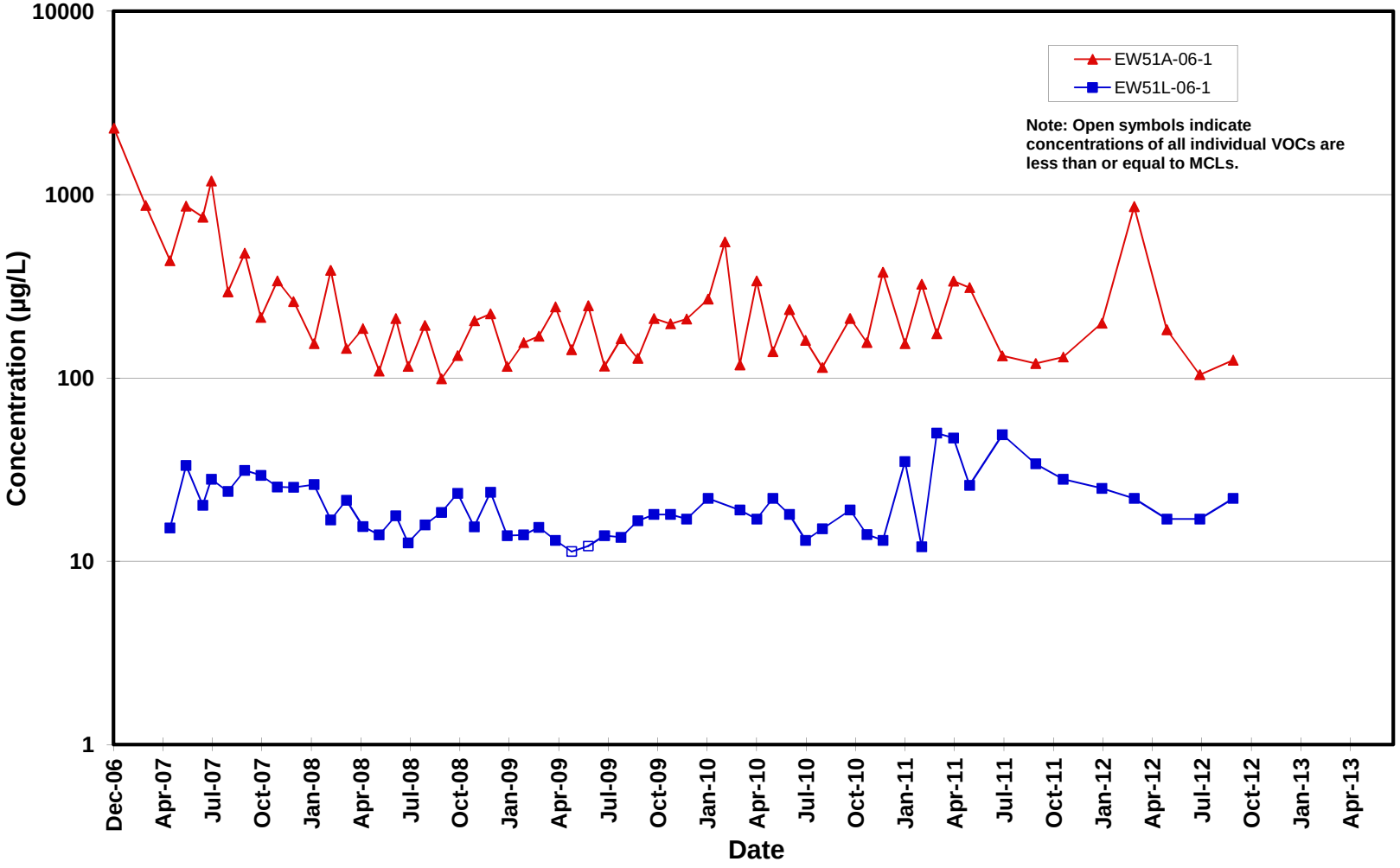



**Figure 31. Concentration Trends for Total VOCs in EW51A-06-1 and EW51L-06-1, Building 51L Groundwater Solvent Plume.**

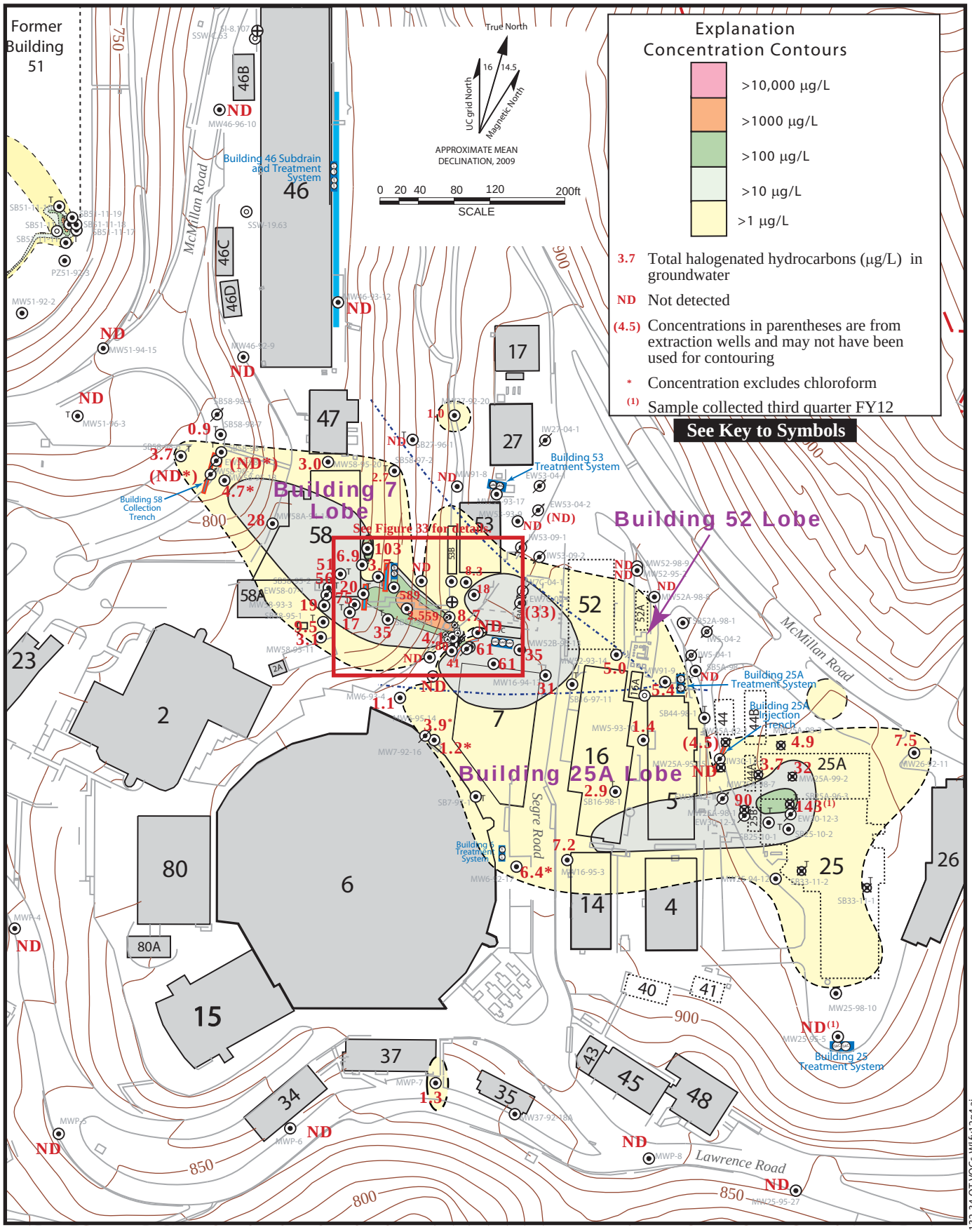



Figure 32. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Old Town Area, Fourth Quarter FY12.

132-34-OT VOCs-Wl fy12q4.ai
1/13.

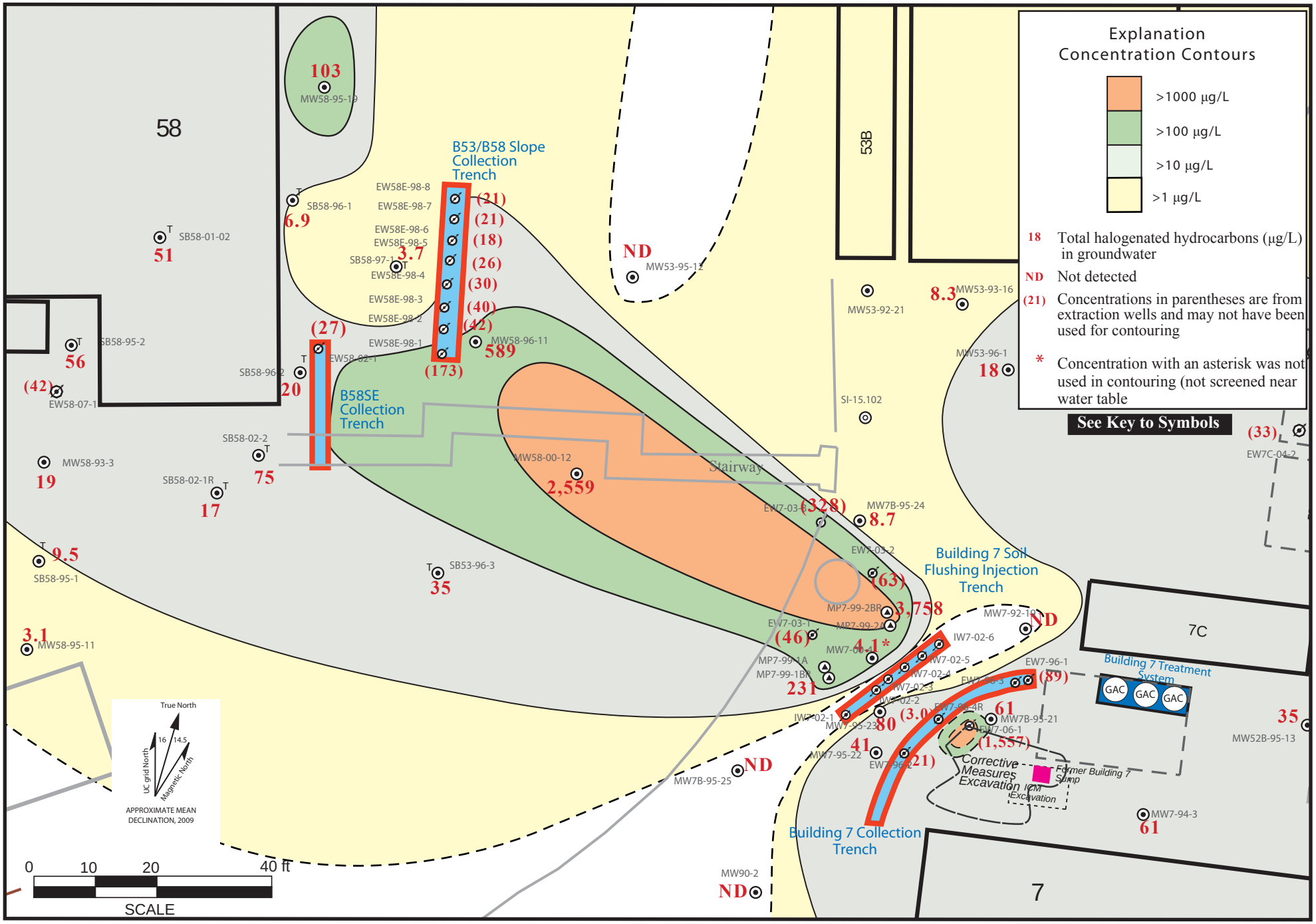



**Figure 33. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Source Area of the Old Town Solvent Plume, Fourth Quarter FY12.**

33-ot sump VOCs fy11q4.ai
1/13

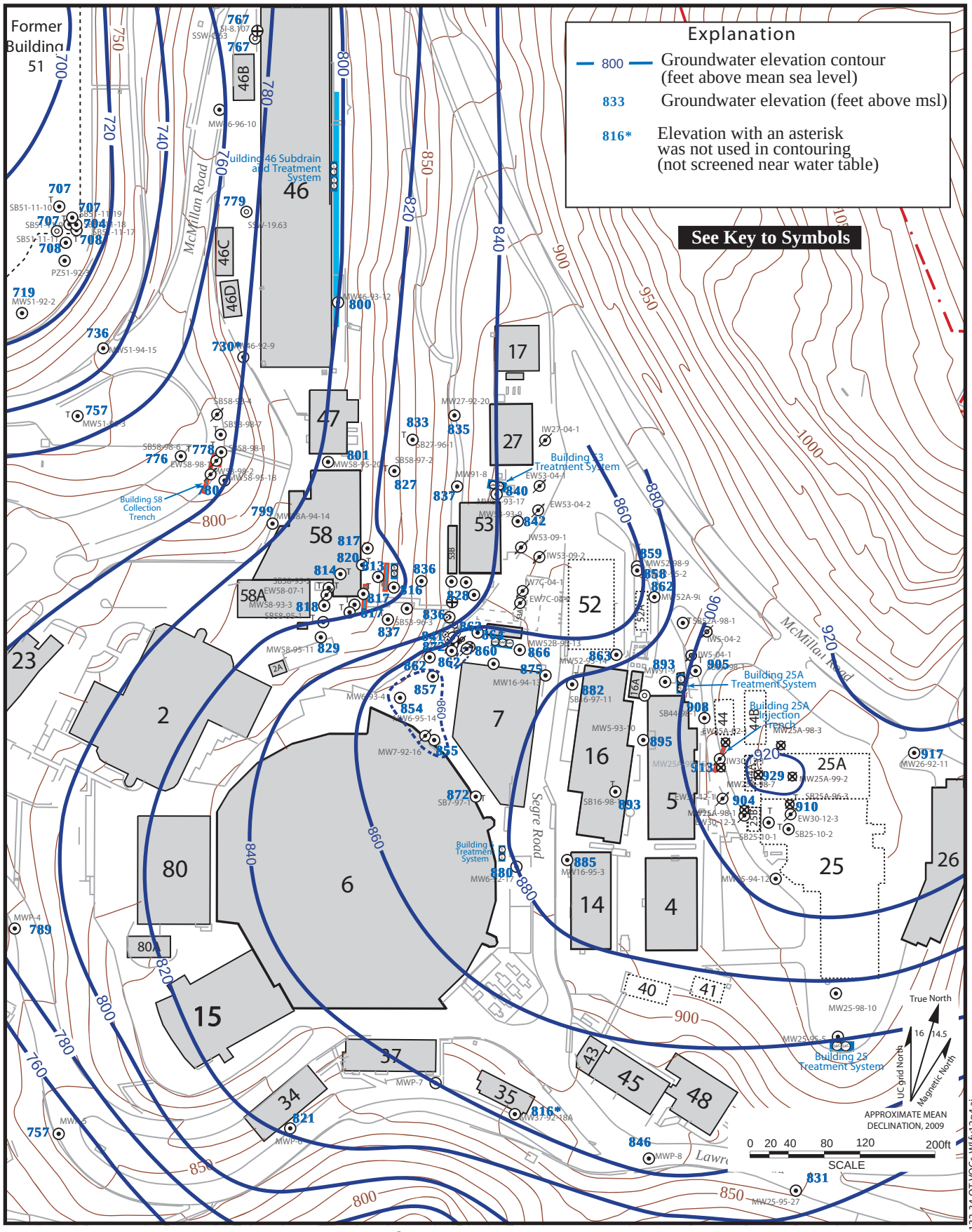



Figure 34. Water Level Elevation Map of the Old Town Area, August 2012.

132-34-OT VOCs-Wl fy12q4.ai 1/13.

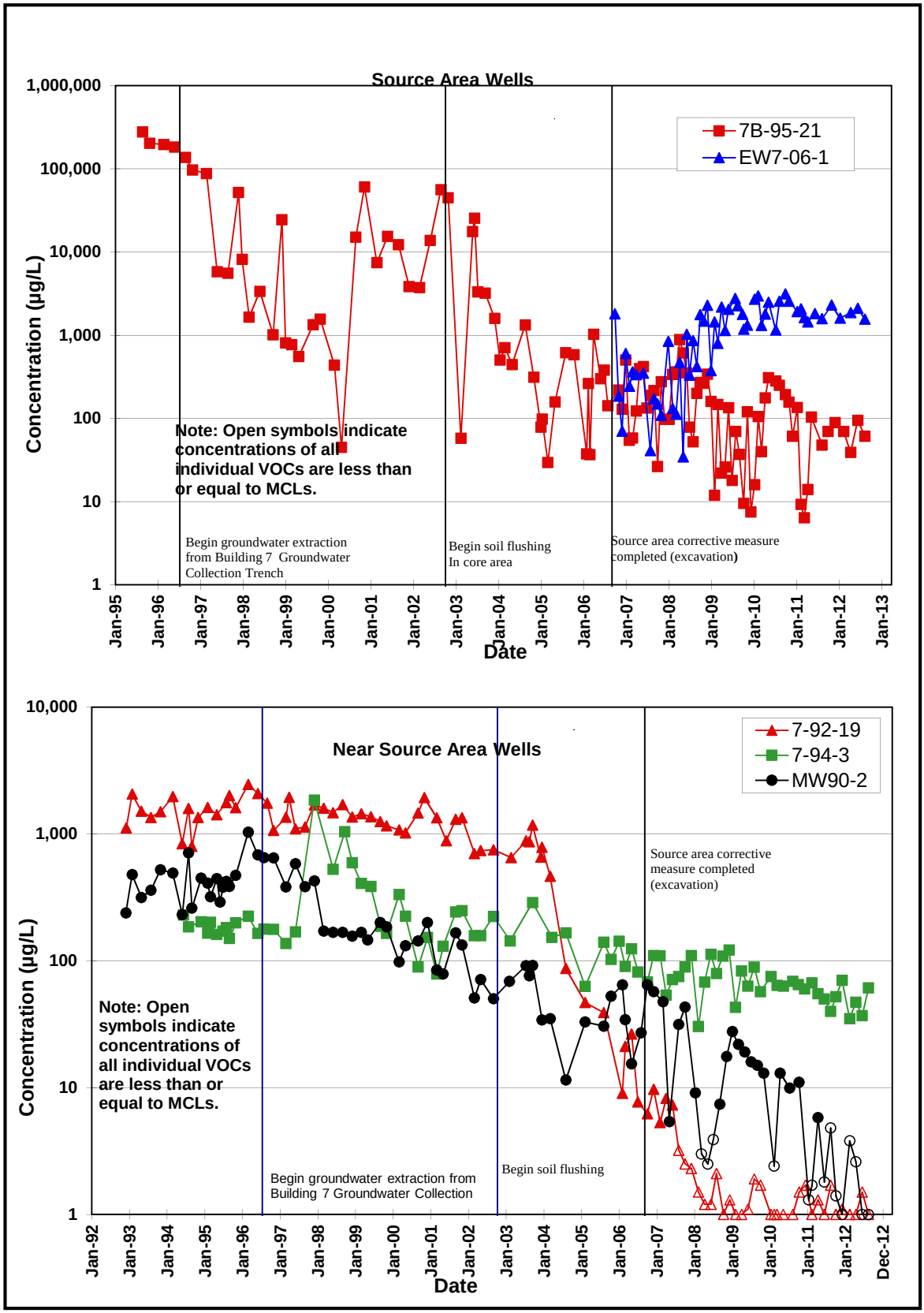



**Figure 35a. Concentration Trends for Total VOCs, Building 7 Lobe Source and Near Source Areas**

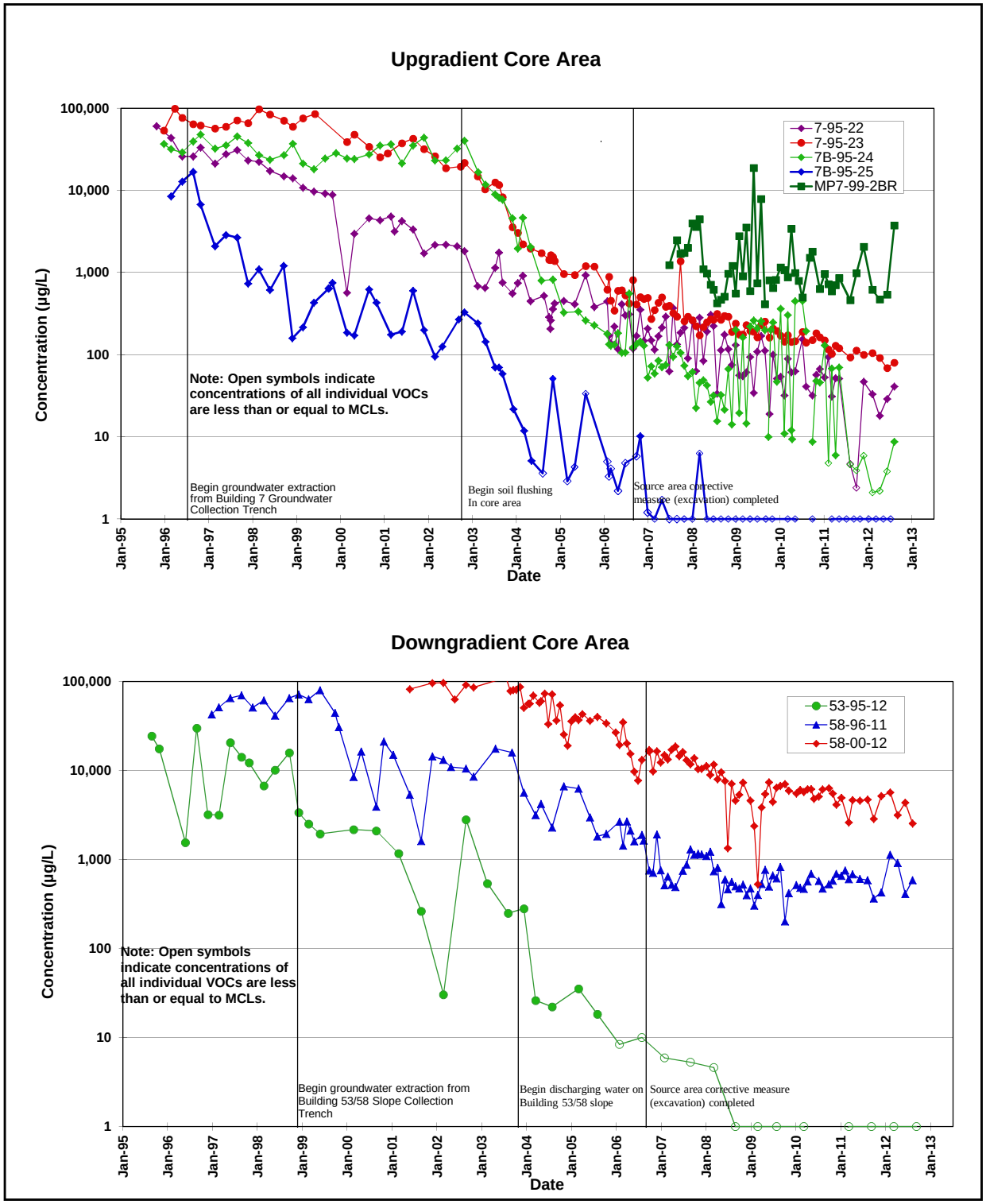



**Figure 35b. Concentration Trends for Total VOCs, Building 7 Lobe Core Areas.**

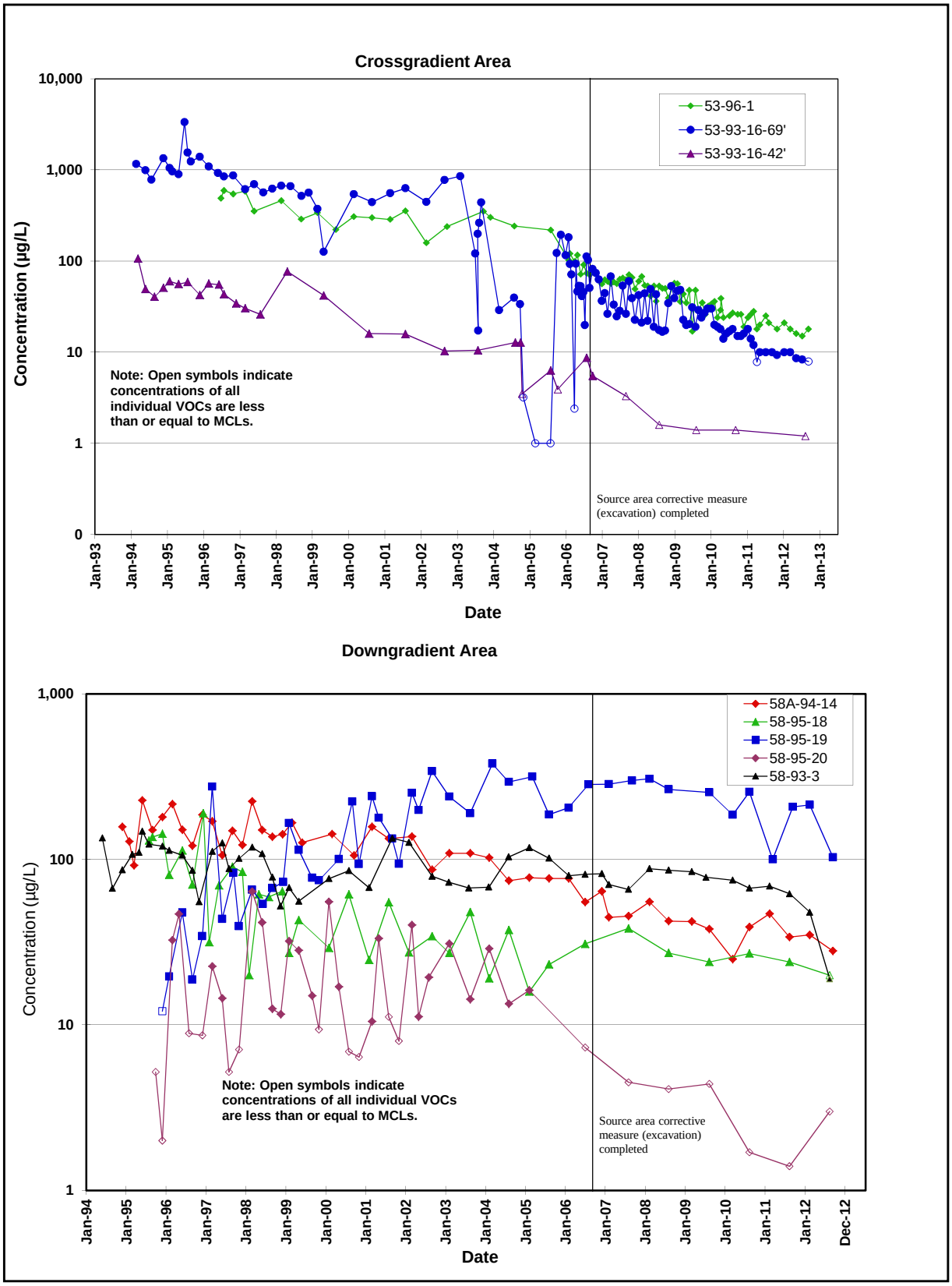



**Figure 35c. Concentration Trends for Total VOCs, Building 7 Lobe Downgradient and Crossgradient Areas.**

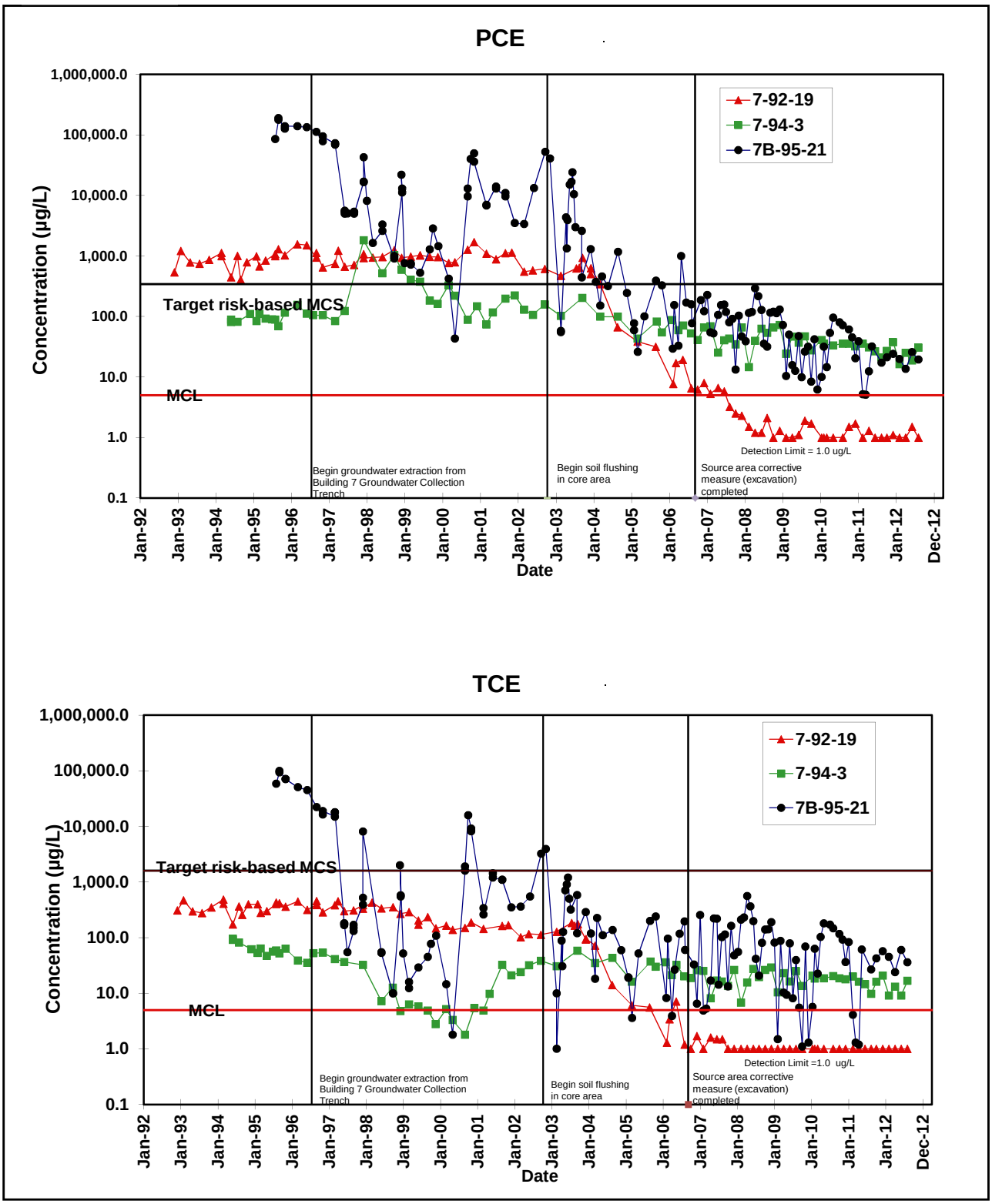



**Figure 36a. Concentration Trends for PCE and TCE, Building 7 Lobe Source Area.**

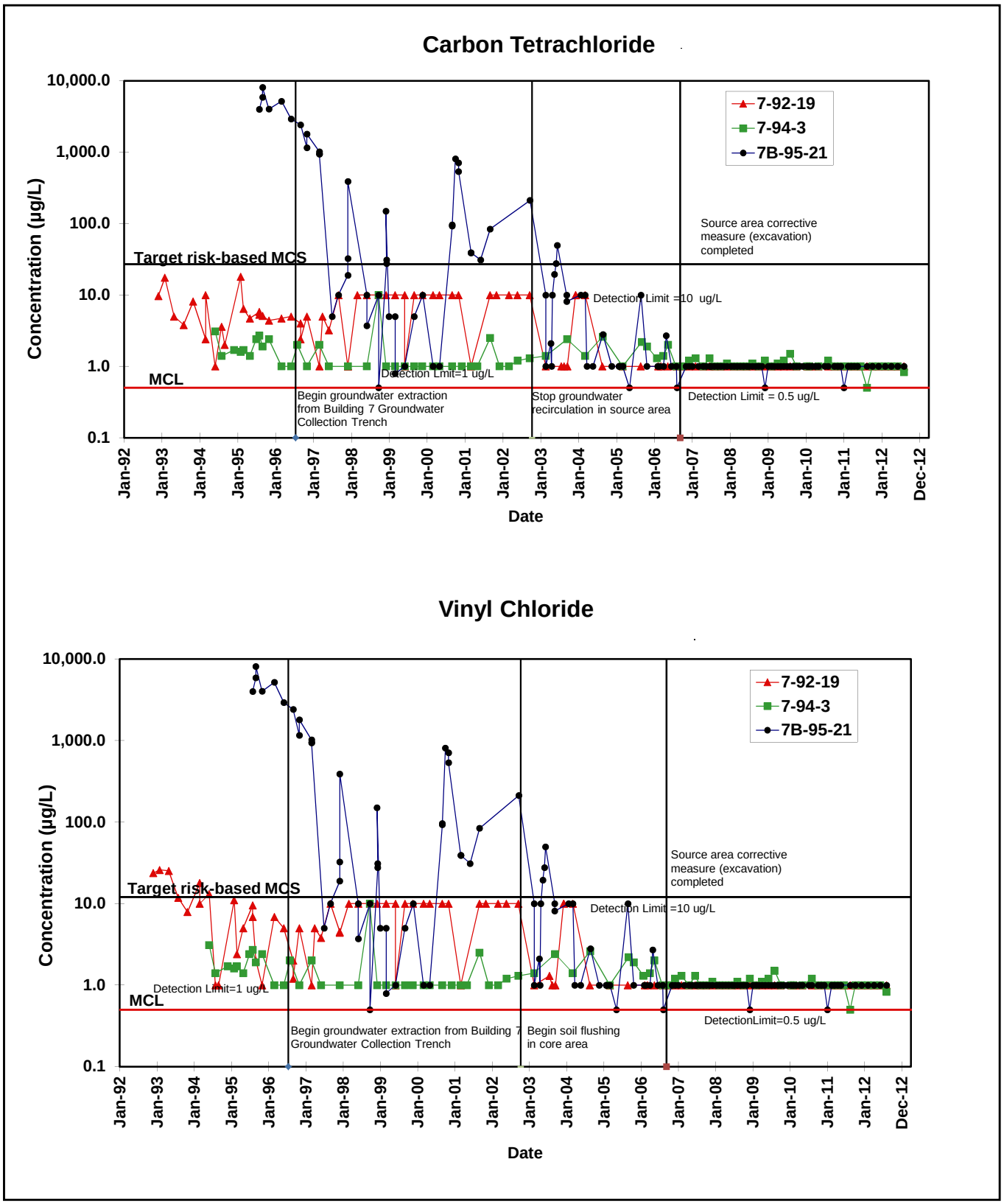



**Figure 36b. Concentration Trends for Carbon Tetrachloride and Vinyl Chloride, Building 7 Lobe Source Area.**

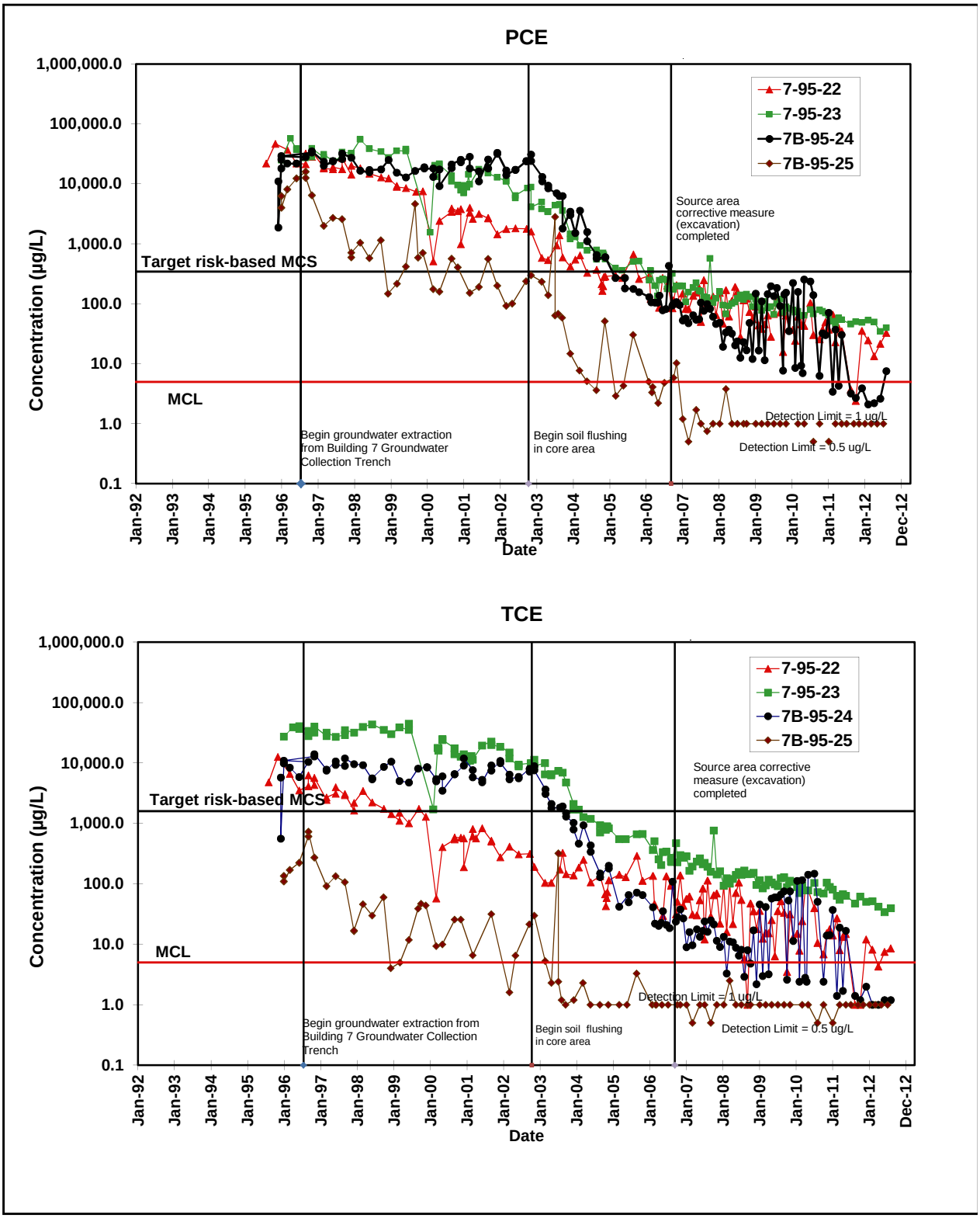



**Figure 37a. Concentration Trends for PCE and TCE, Building 7 Lobe Upgradient Core Area.**

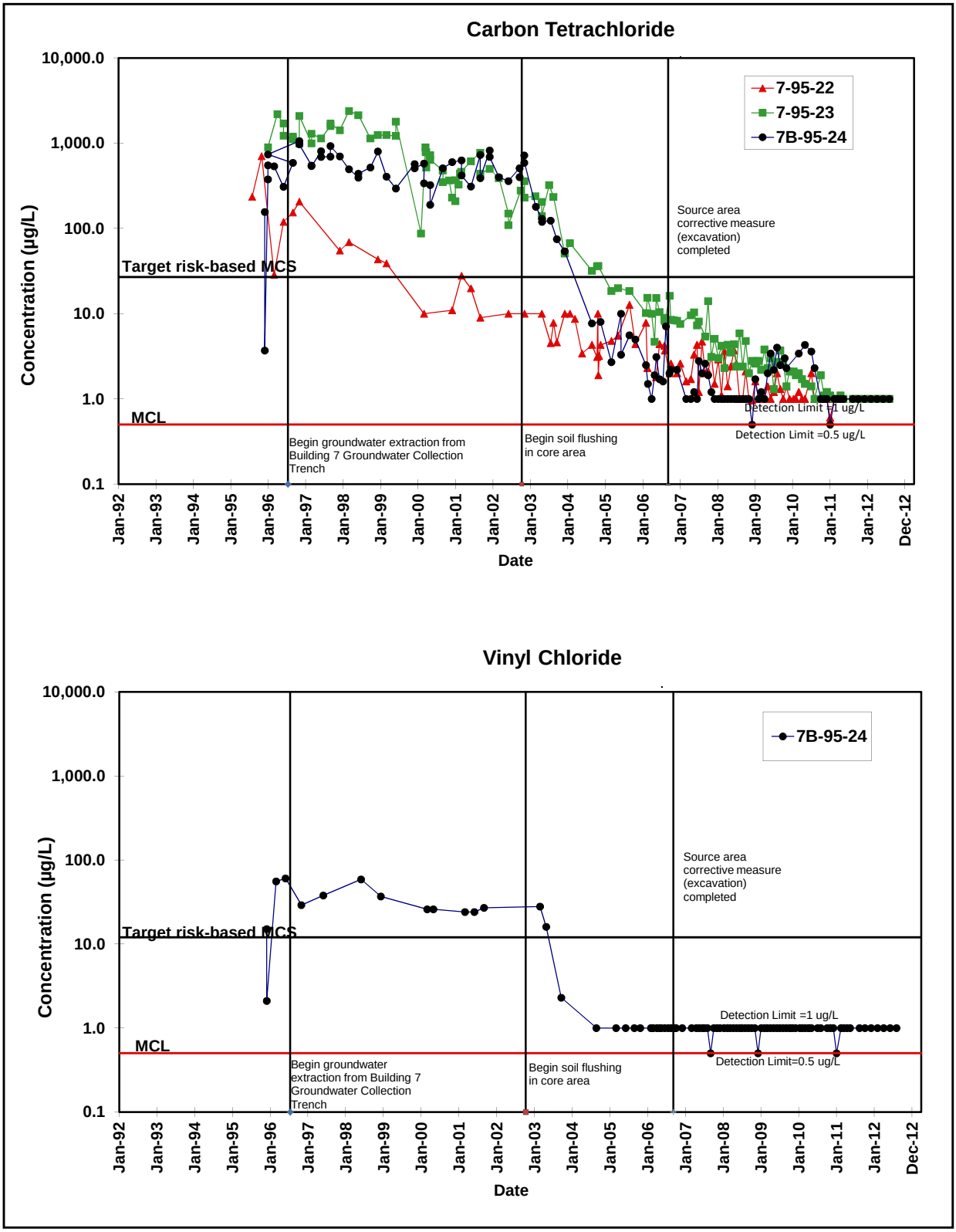



**Figure 37b. Concentration Trends for Carbon Tetrachloride and Vinyl Chloride, Building 7 Lobe Upgradient Core Area.**

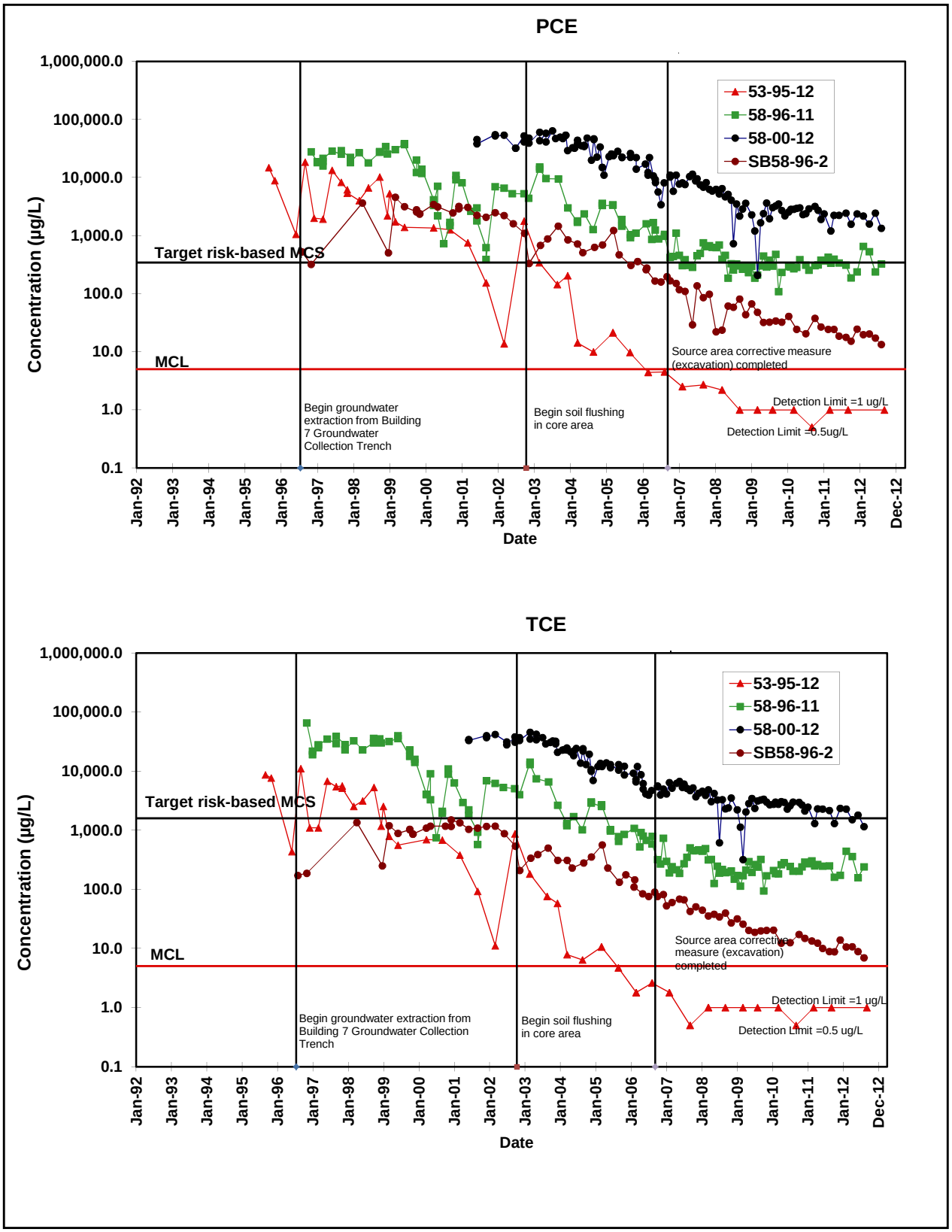
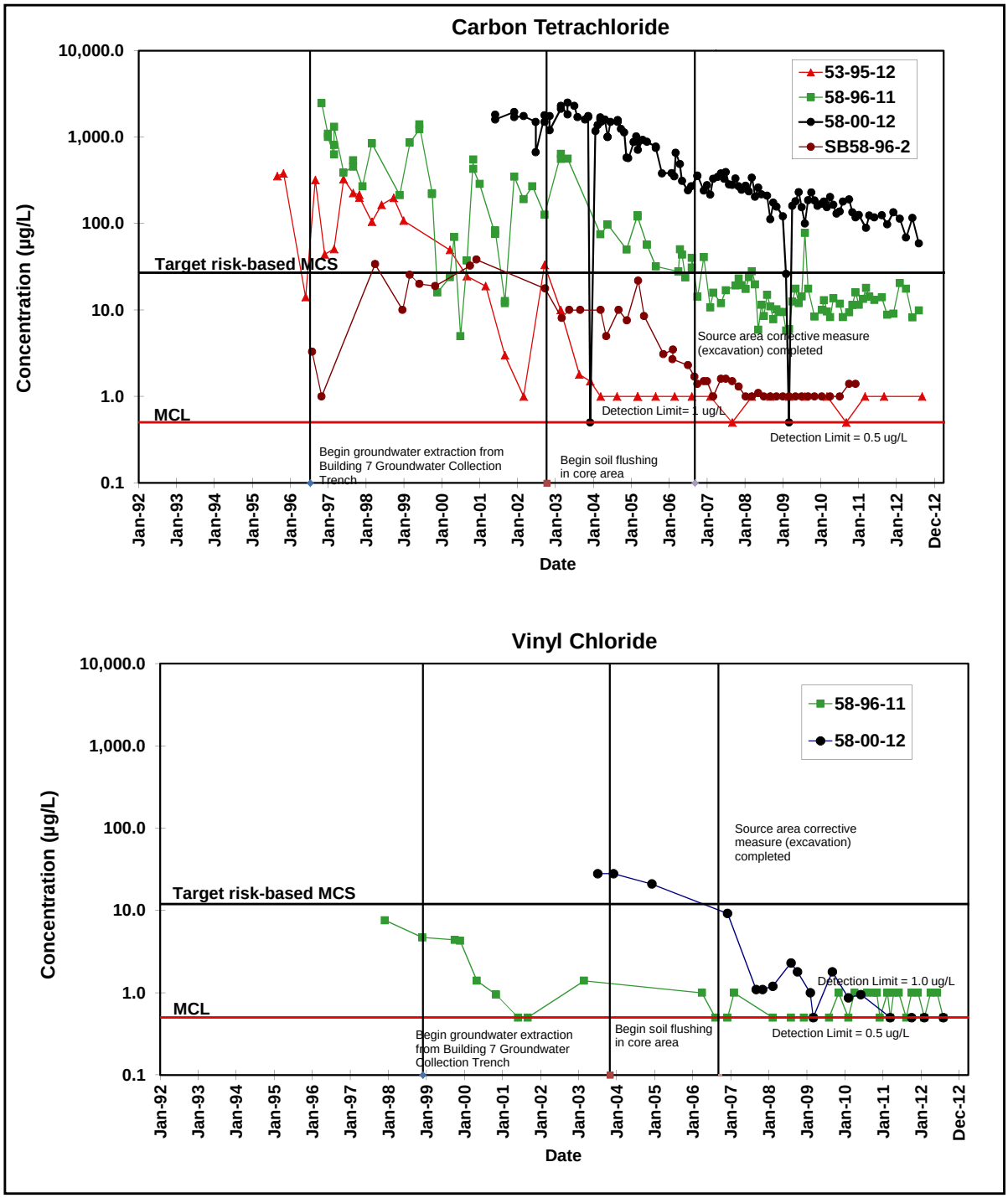



**Figure 38a. Concentration Trends for PCE and TCE, Building 7 Lobe Downgradient Core Area.**

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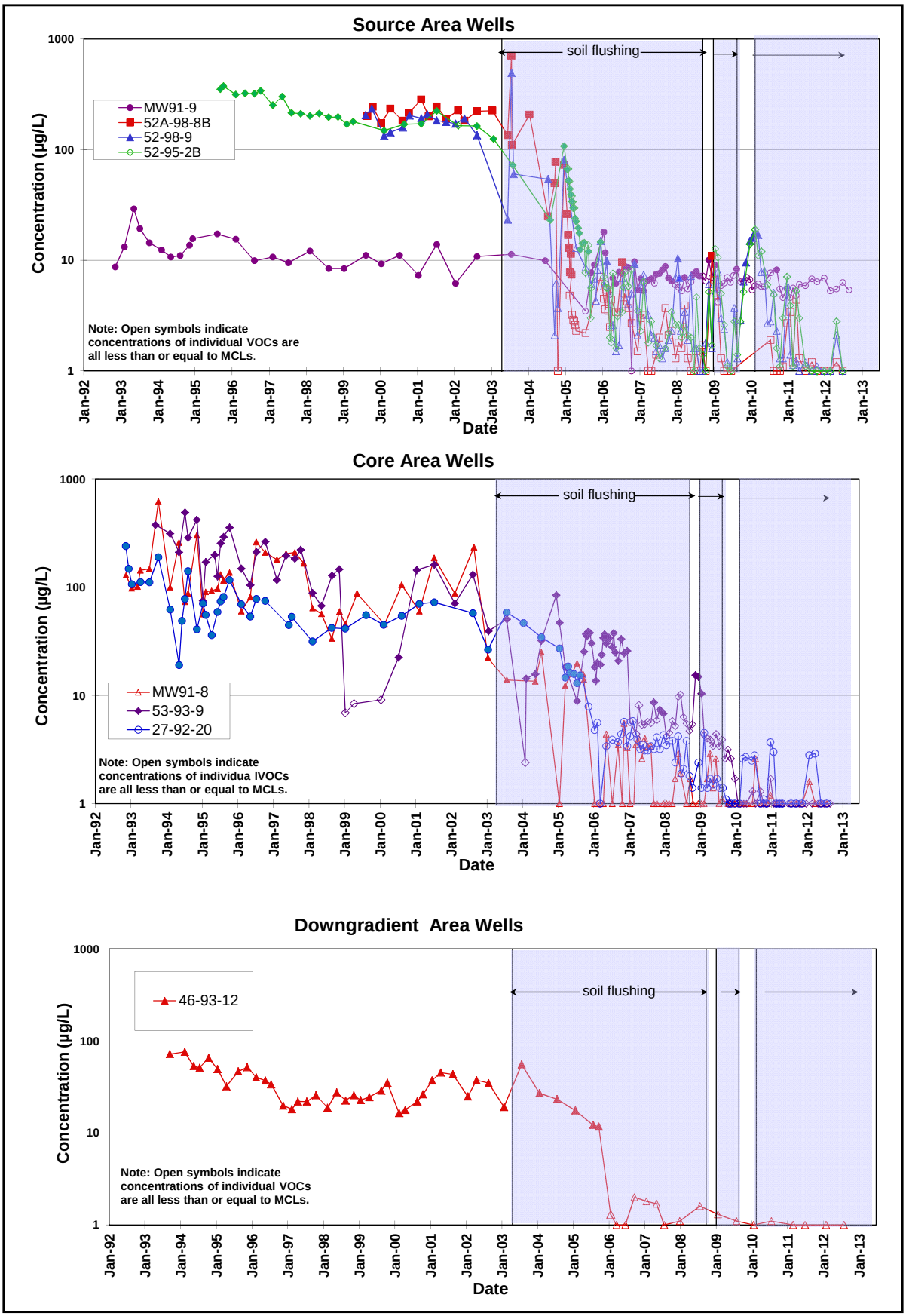



**Figure 39. Concentration Trends for Total VOCs, Building 52 Lobe.**

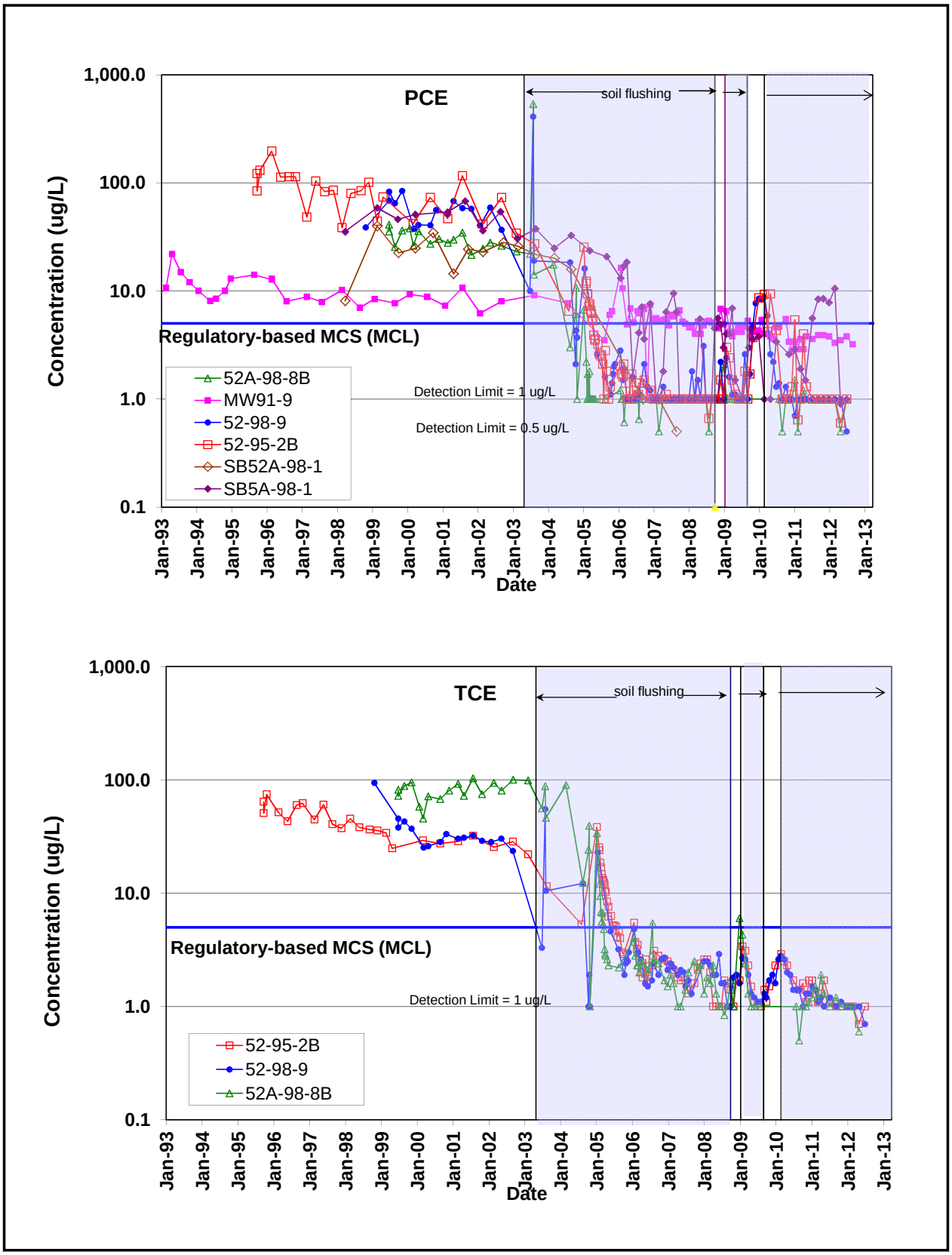



**Figure 40a.** **Concentration Trends for PCE and TCE, Building 52 Lobe Source Area.**

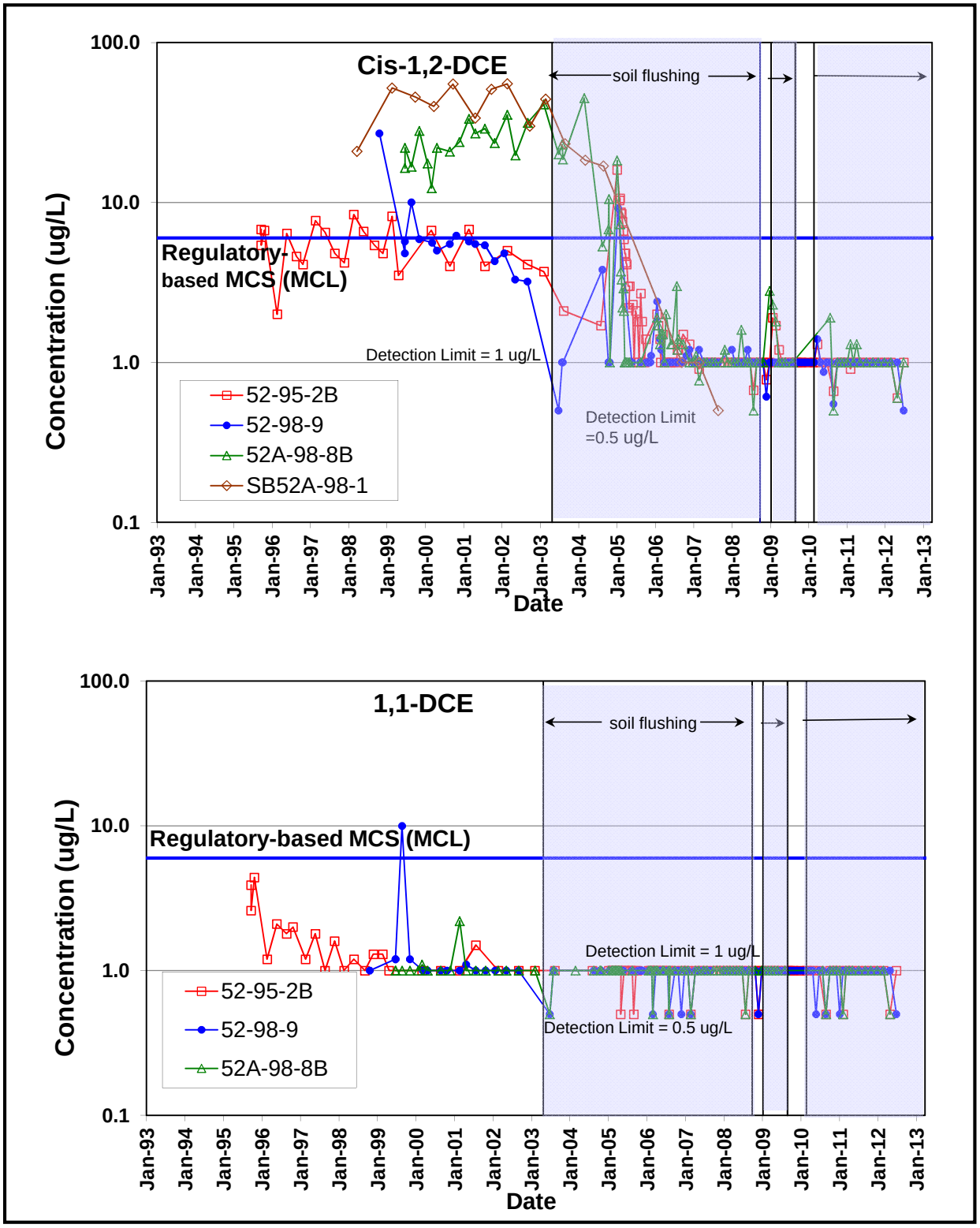



**Figure 40b. Concentration Trends for Cis-1,2-DCE and 1,1-DCE, Building 52 Lobe Source Area.**

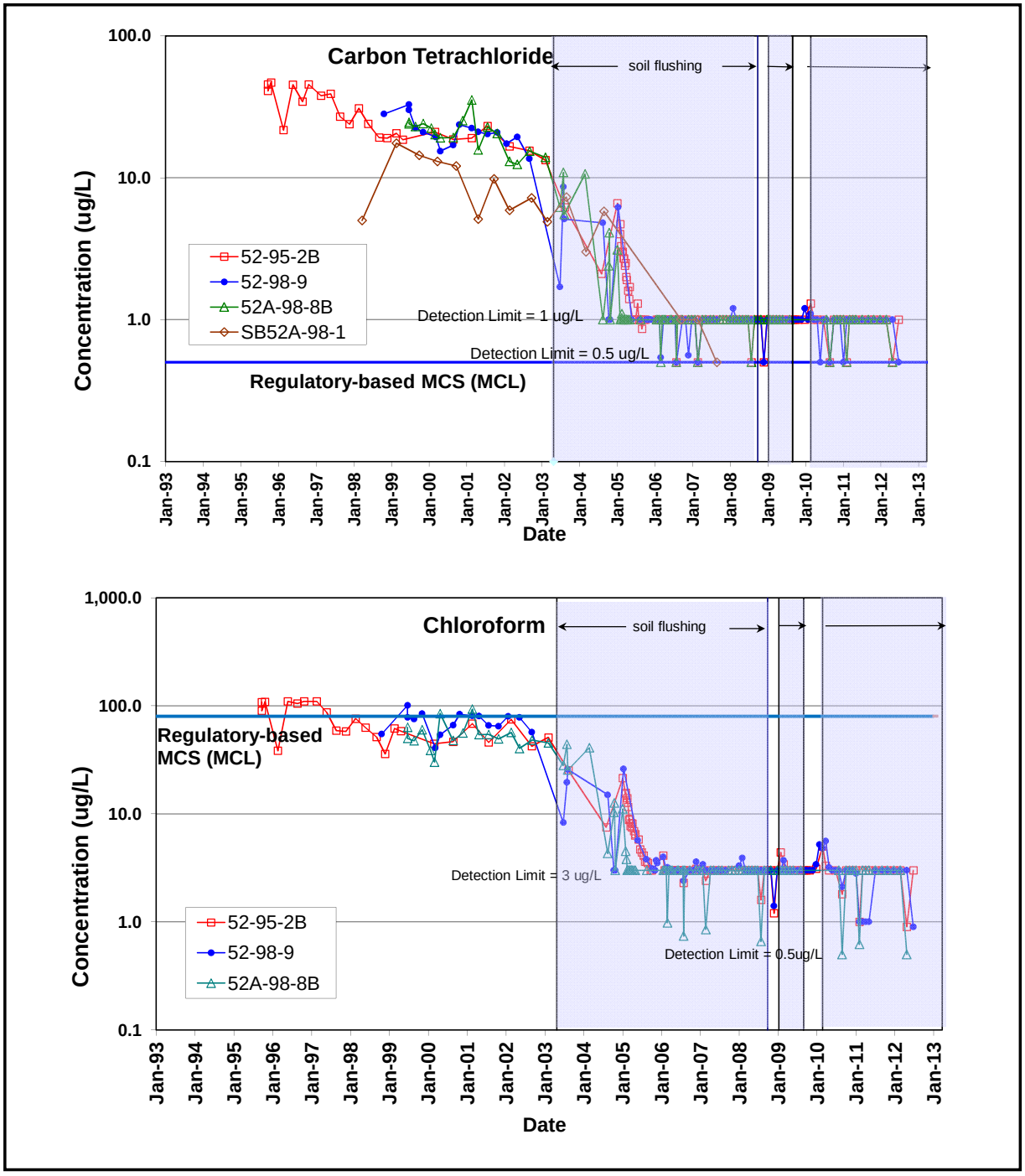



**Figure 40c. Concentration Trends for Carbon Tetrachloride and Chloroform, Building 52 Lobe Source Area.**

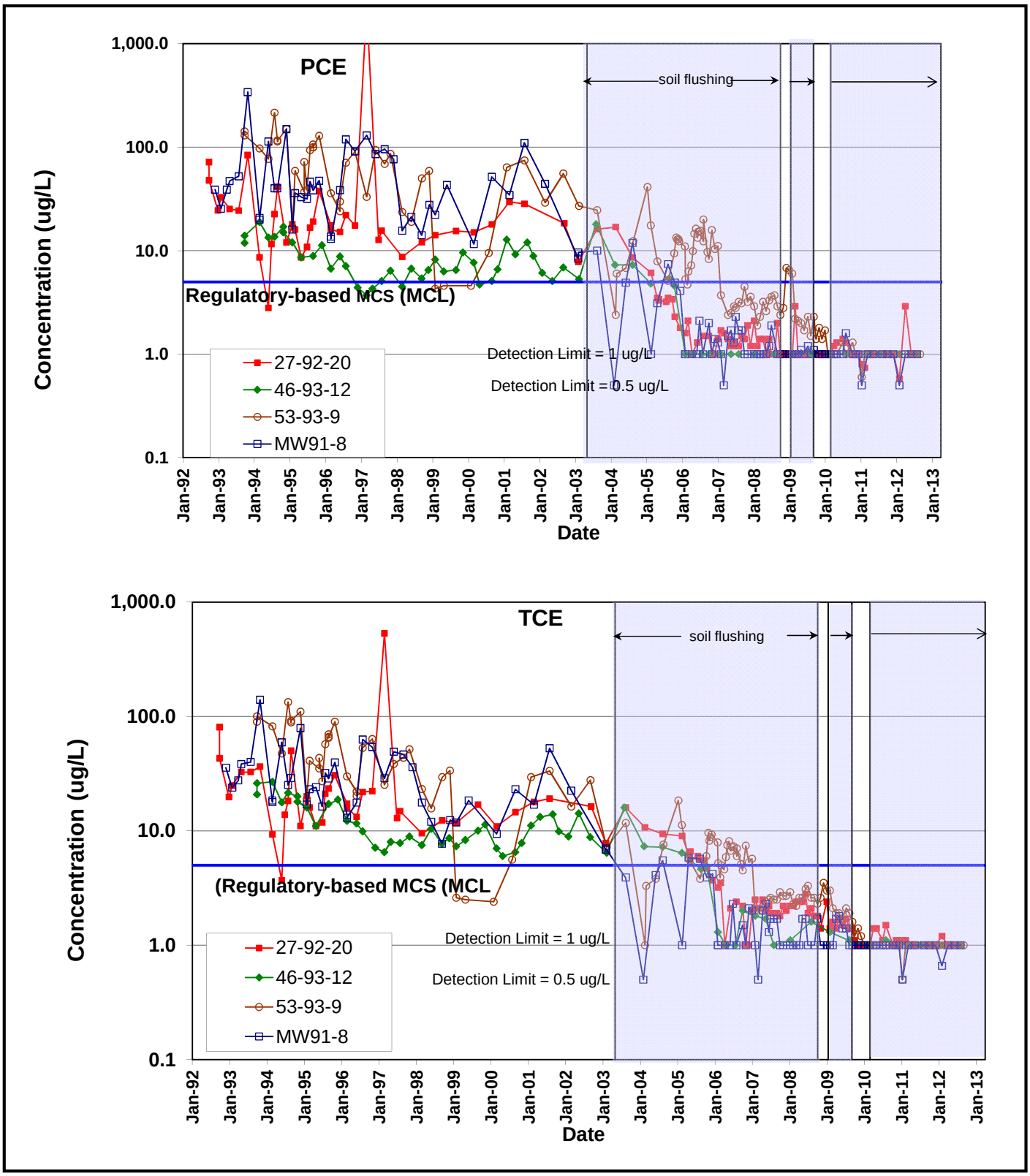



**Figure 41a.** **Concentration Trends for PCE and TCE, Building 52 Lobe Core and Downgradient Areas.**

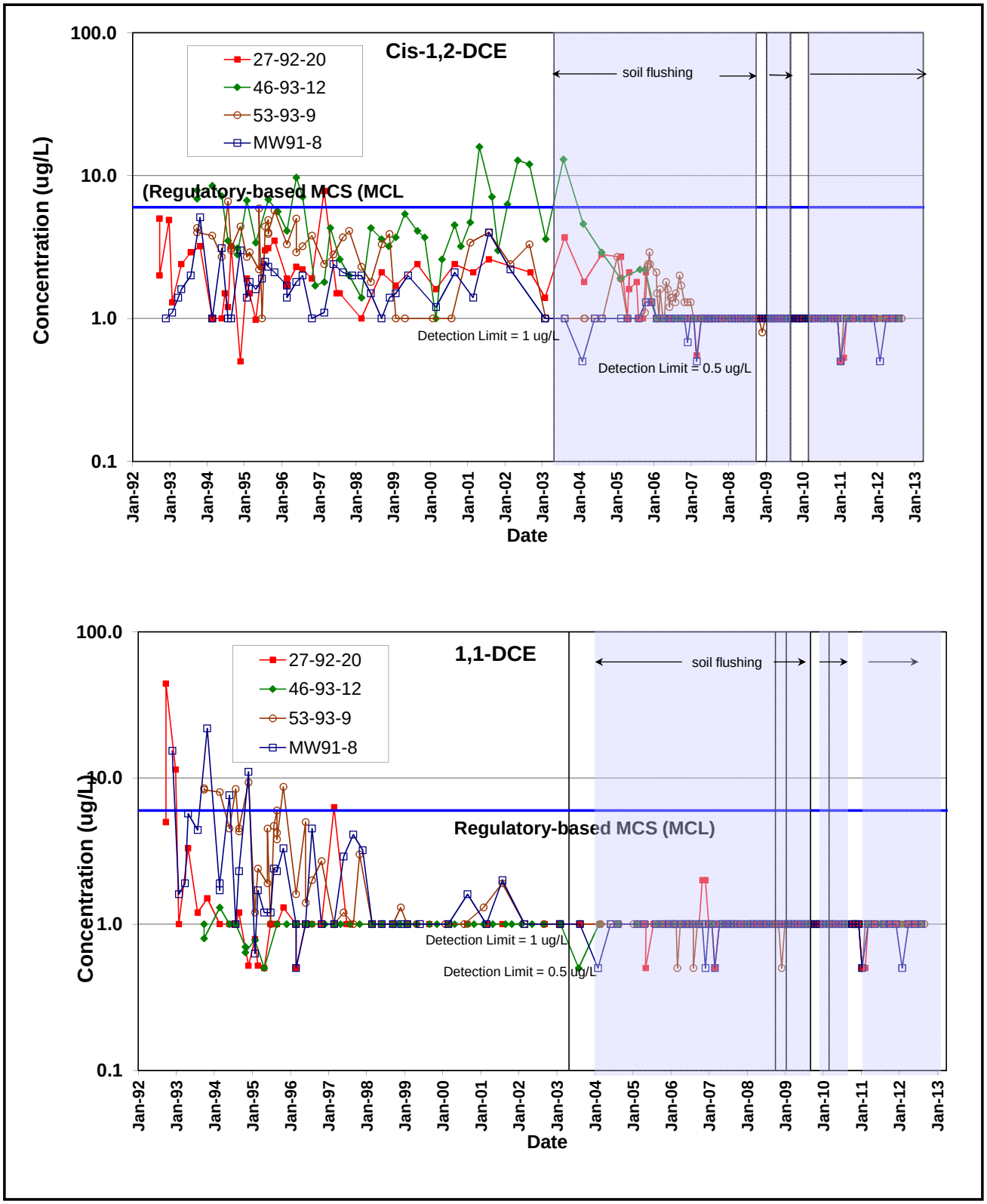



**Figure 41b.** **Concentration Trends for Cis-1,2-DCE and 1,1-DCE, Building 52 Lobe Core and Downgradient Areas.**

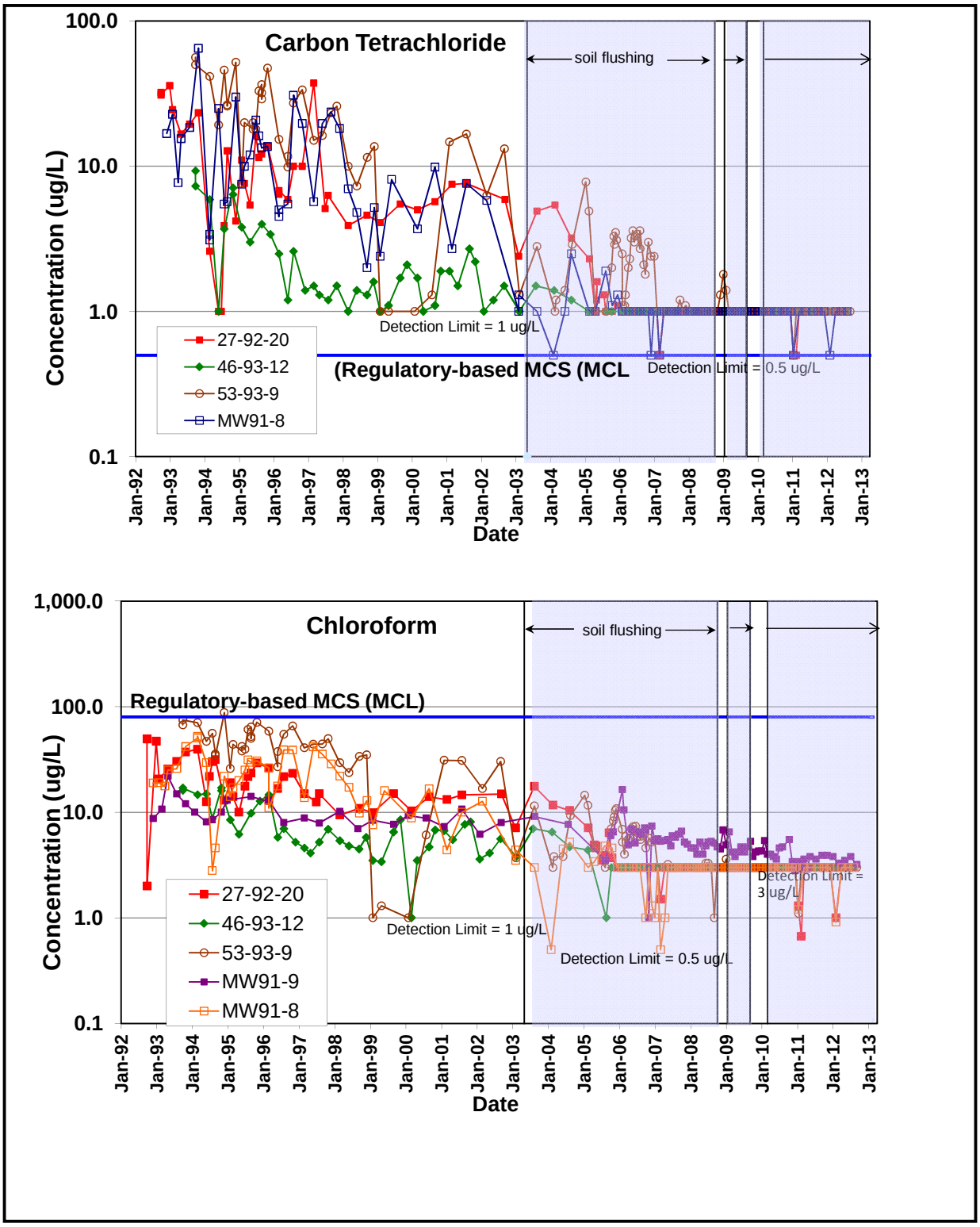



**Figure 41c. Concentration Trends for Carbon Tetrachloride and Chloroform, Building 52 Lobe Core and Downgradient Areas.**

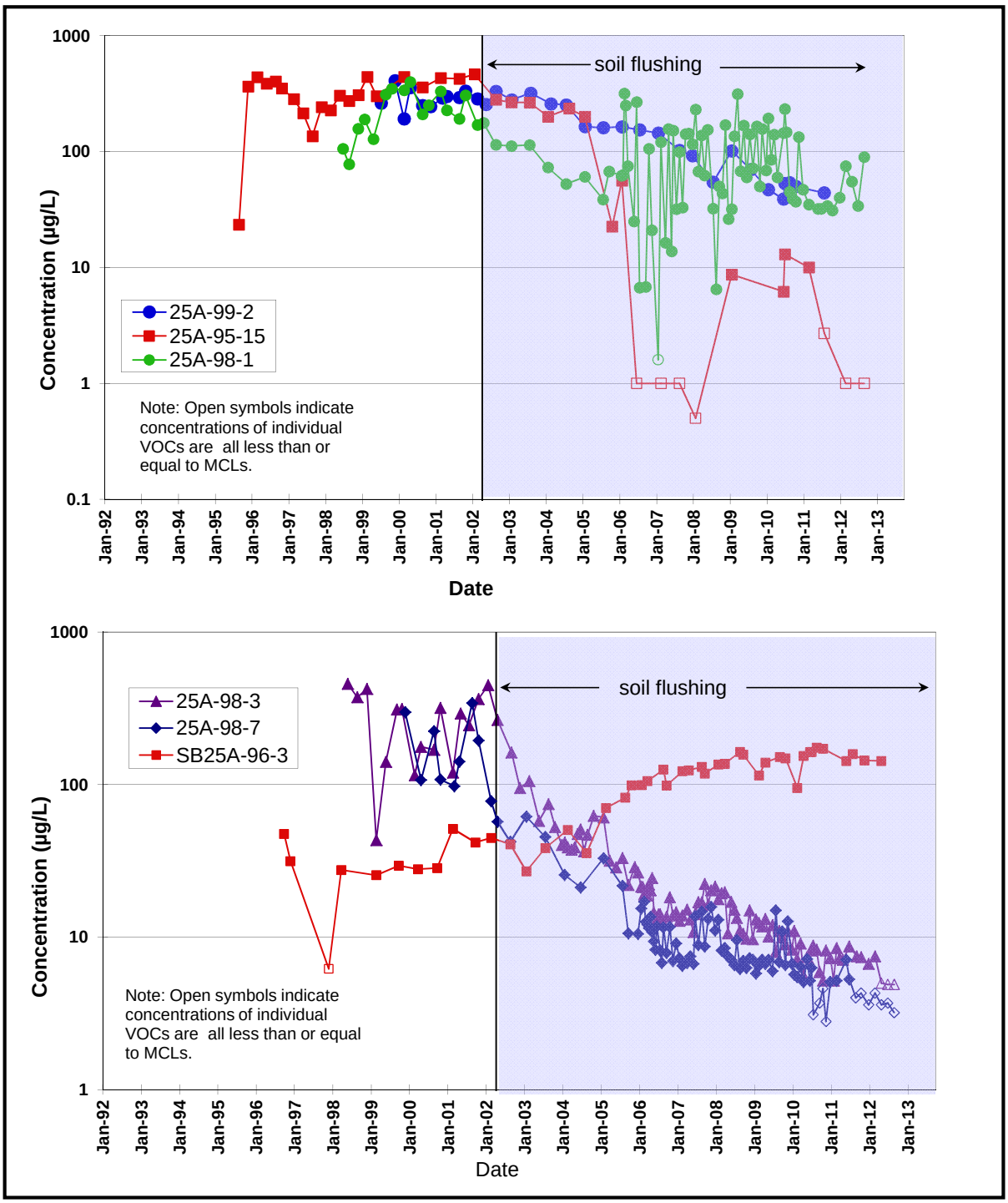
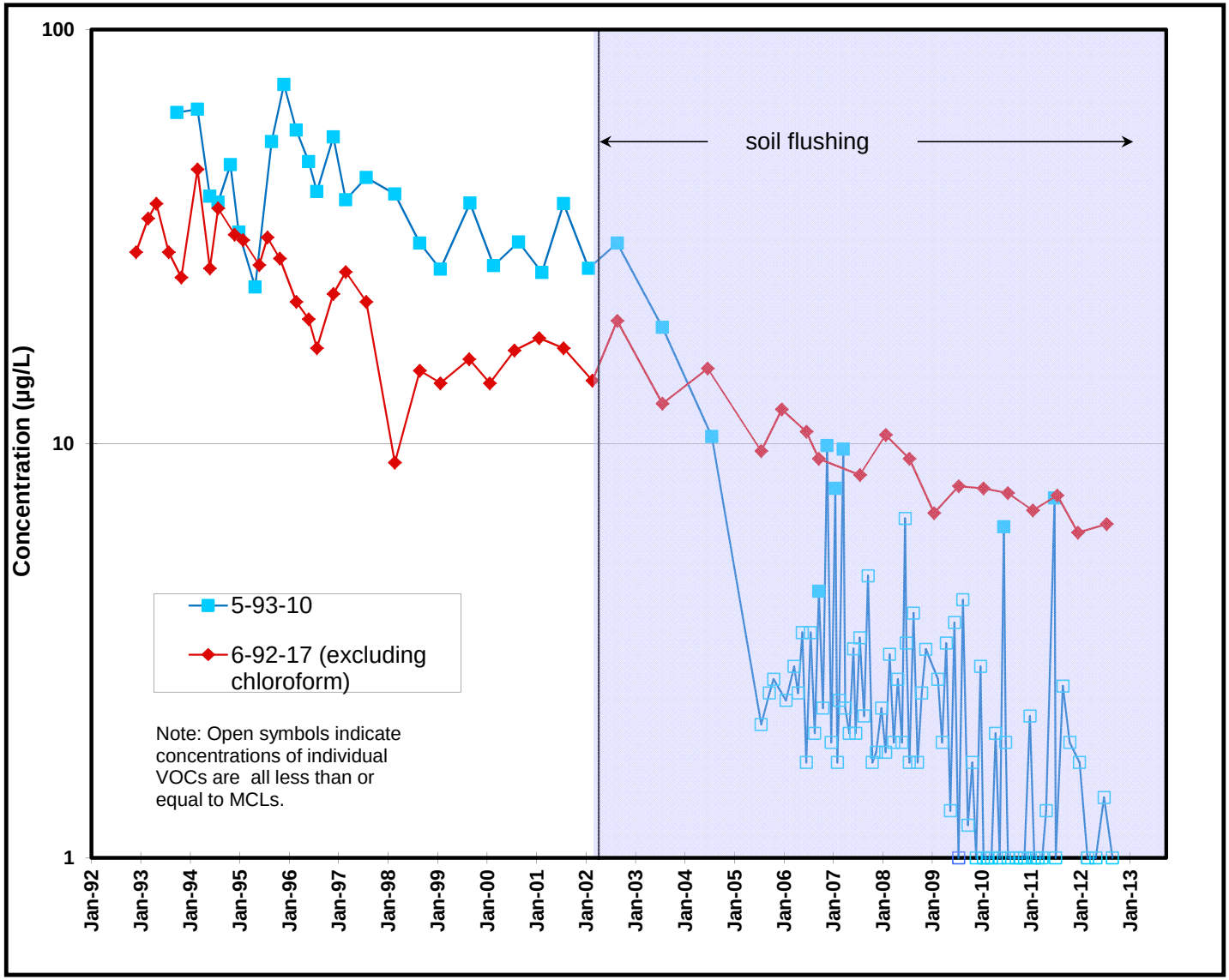



**Figure 42a. Concentration Trends for Total VOCs, Old Town Groundwater Solvent Plume Building 25A Lobe Source Area.**

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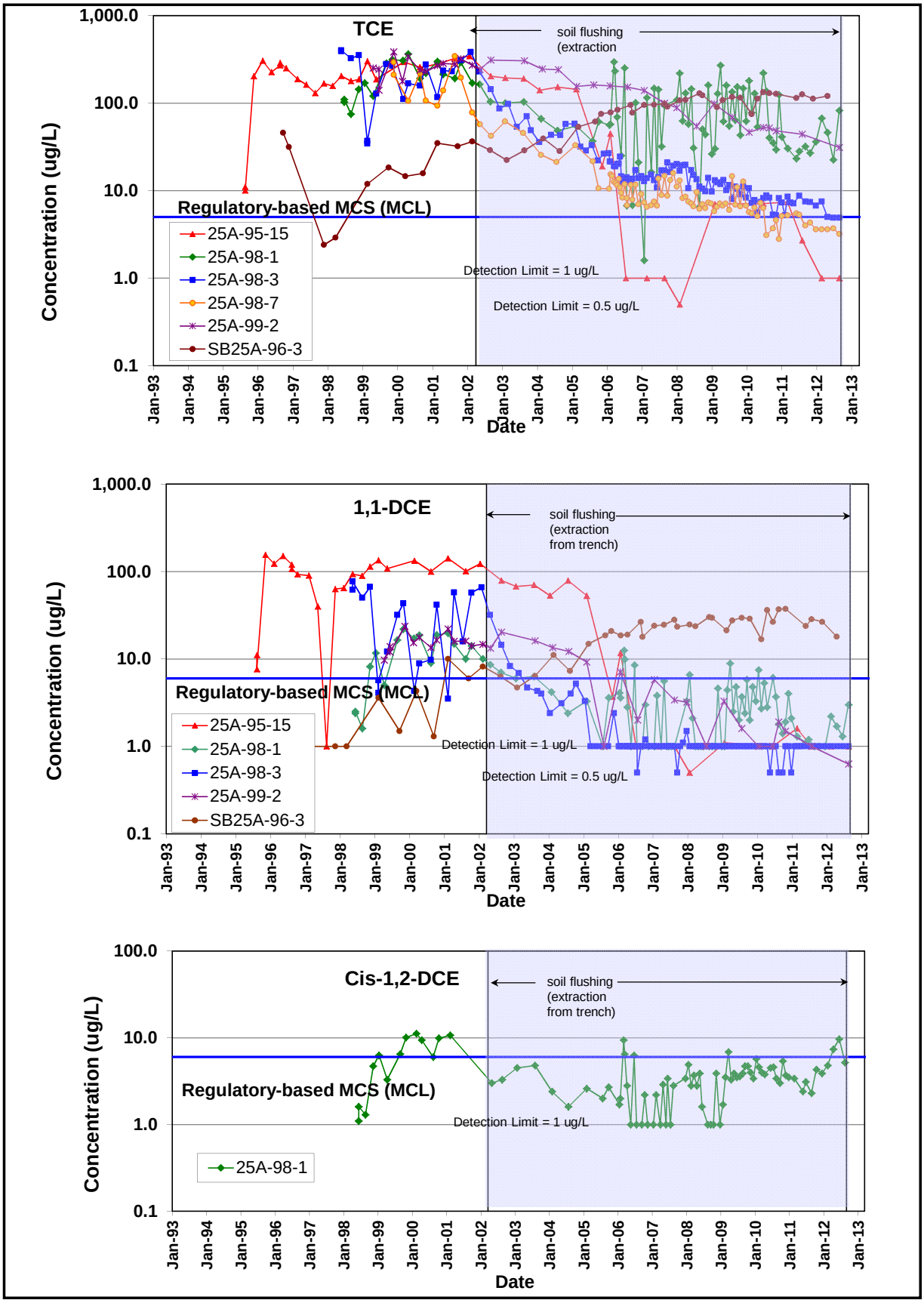


**Figure 43a.** **Concentration Trends for VOCs, Building 25A Lobe Building 25A Subplume Source Area (West of Building 25A).**

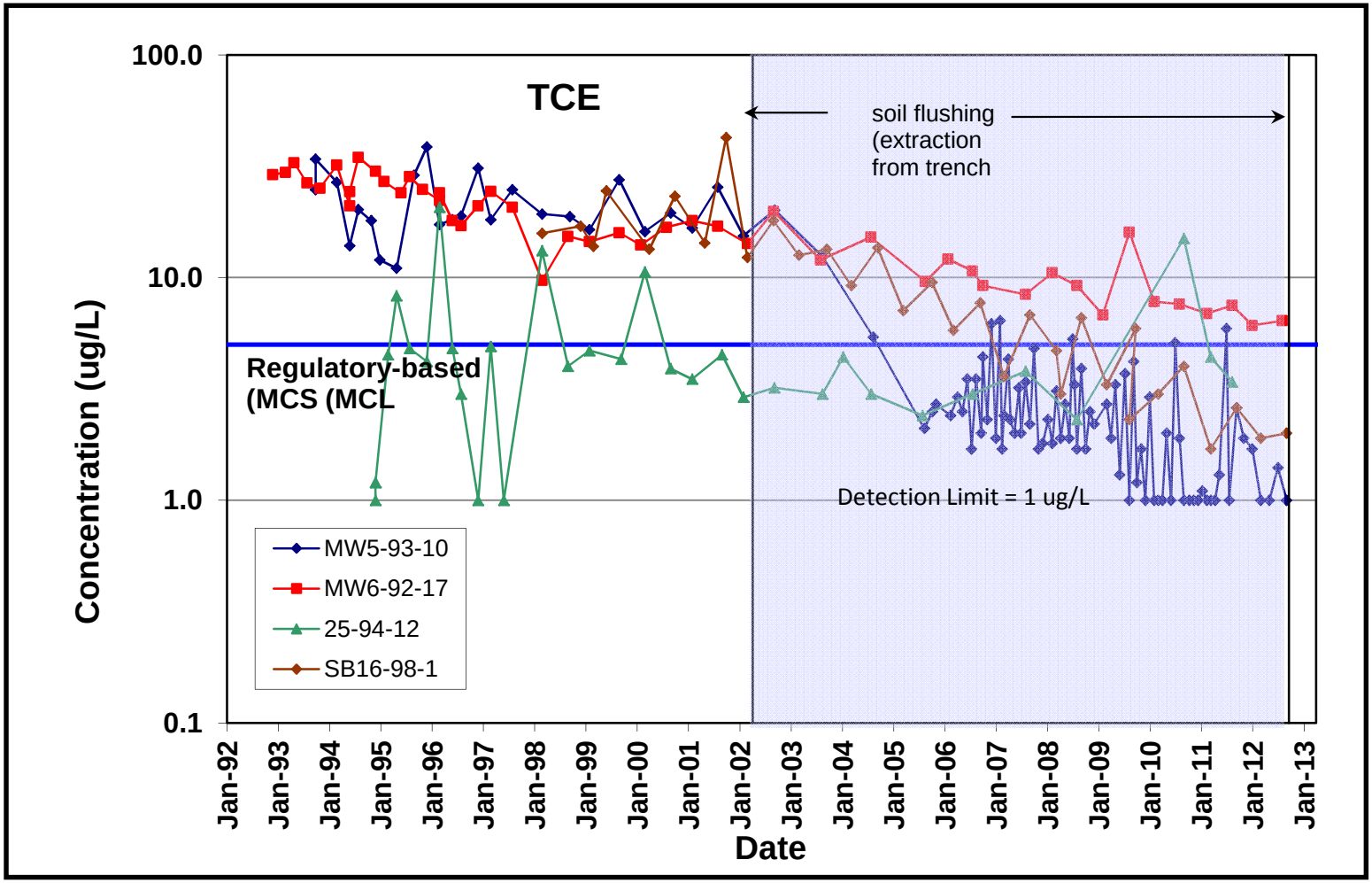


**Figure 43b.** **Concentration Trends for TCE, Building 25A Lobe**
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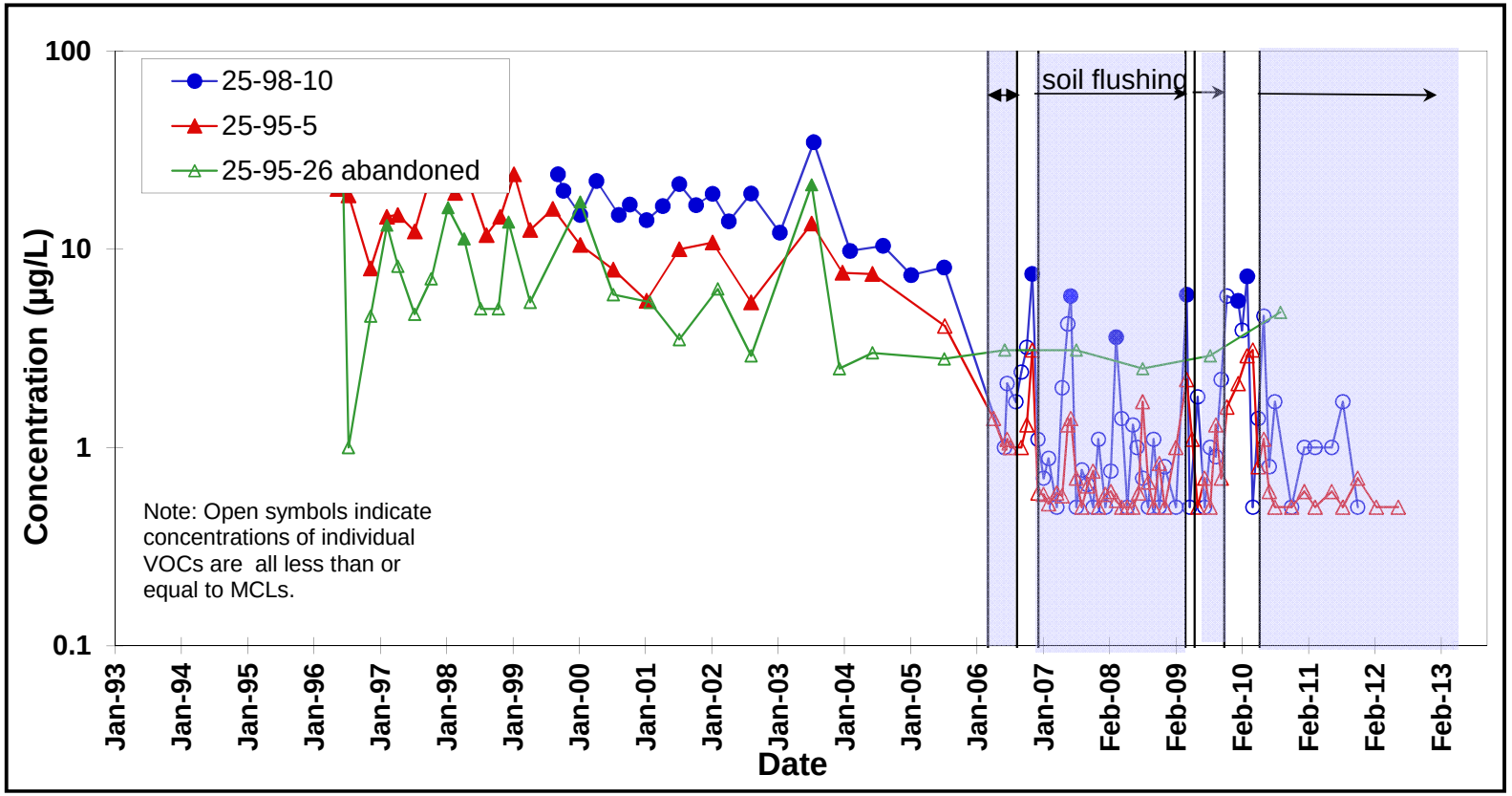


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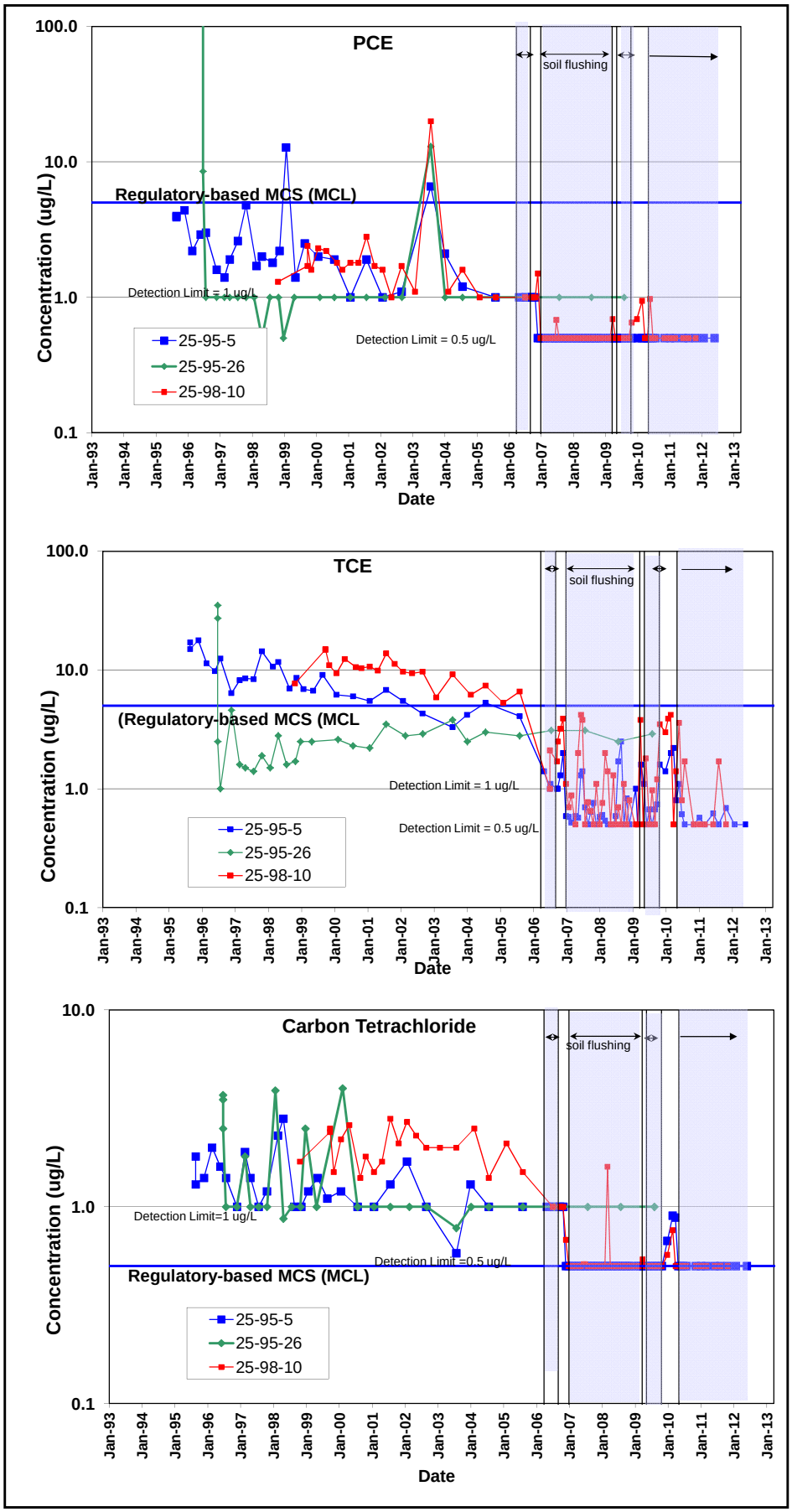


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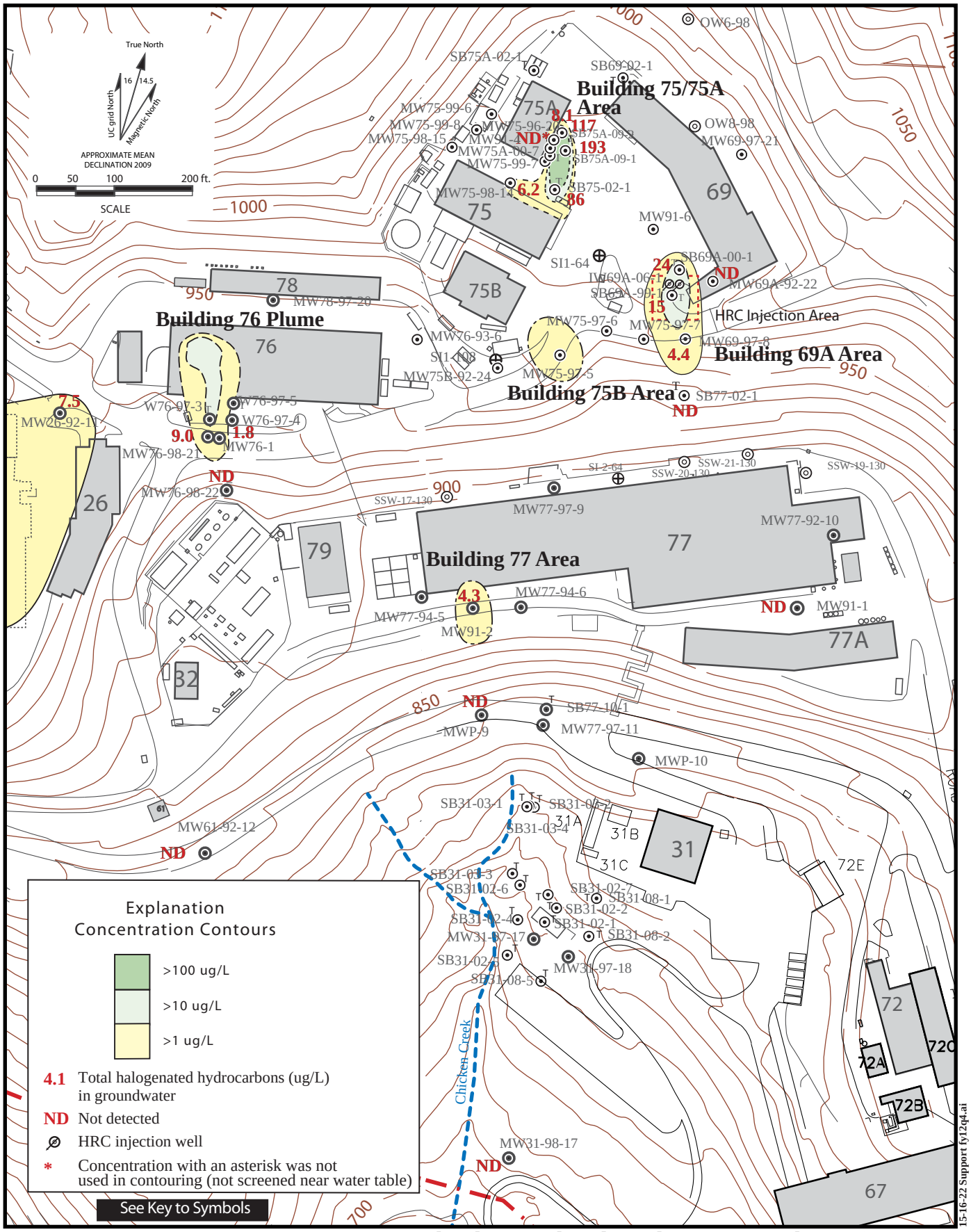
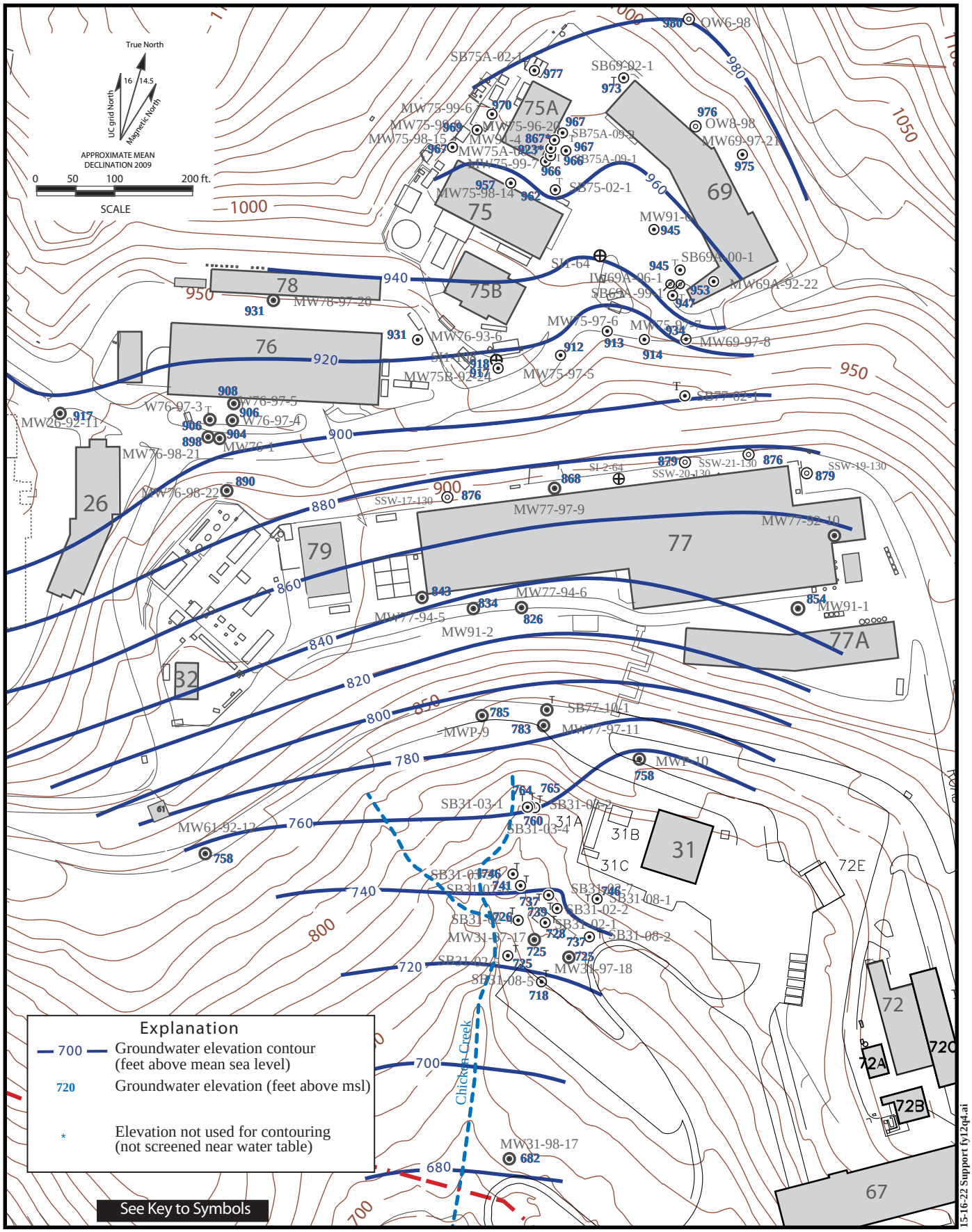



**Figure 46. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Support Services Area, Fourth Quarter FY12.**

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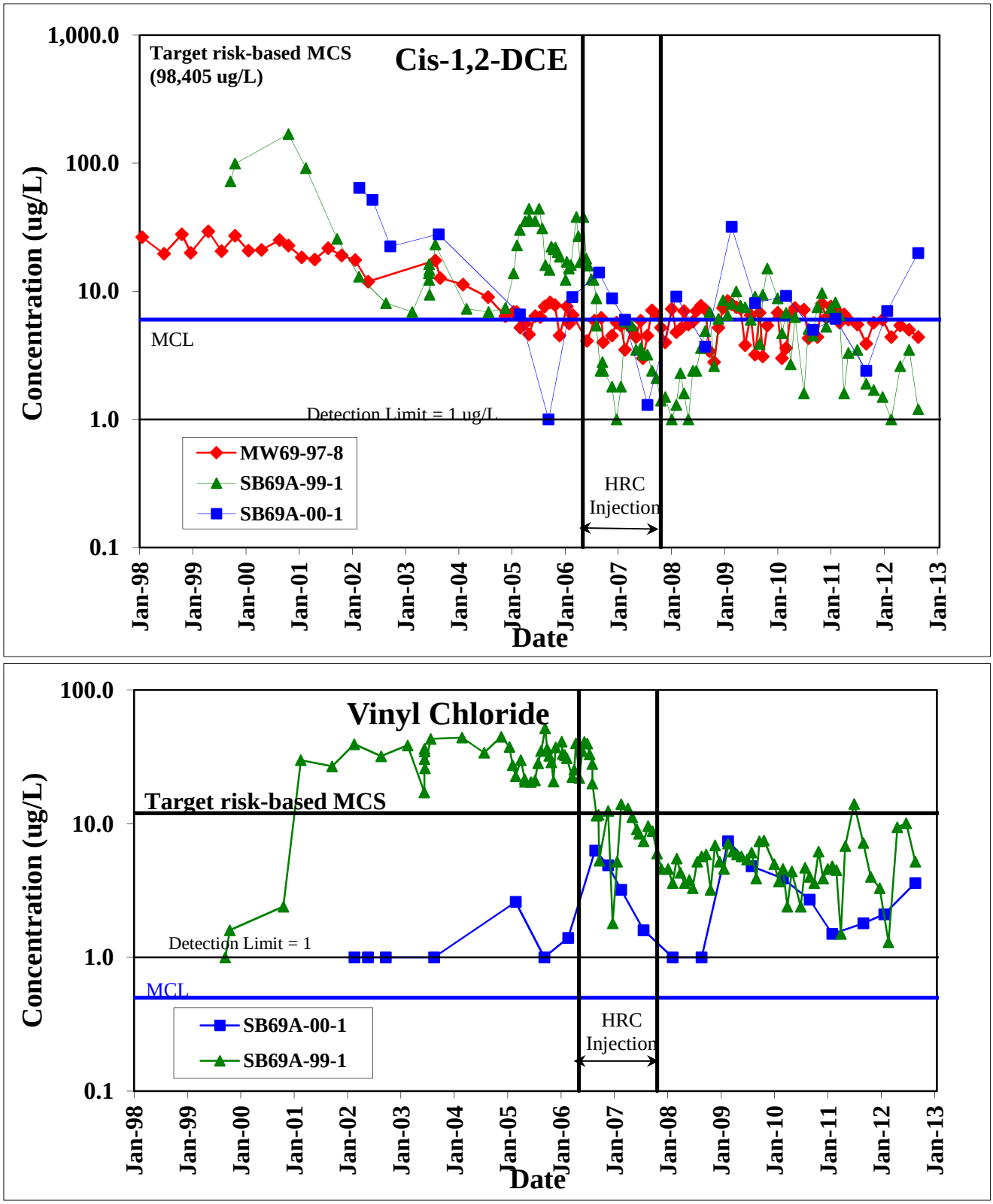
15-16-22 Support fy12q4.ai
11/12

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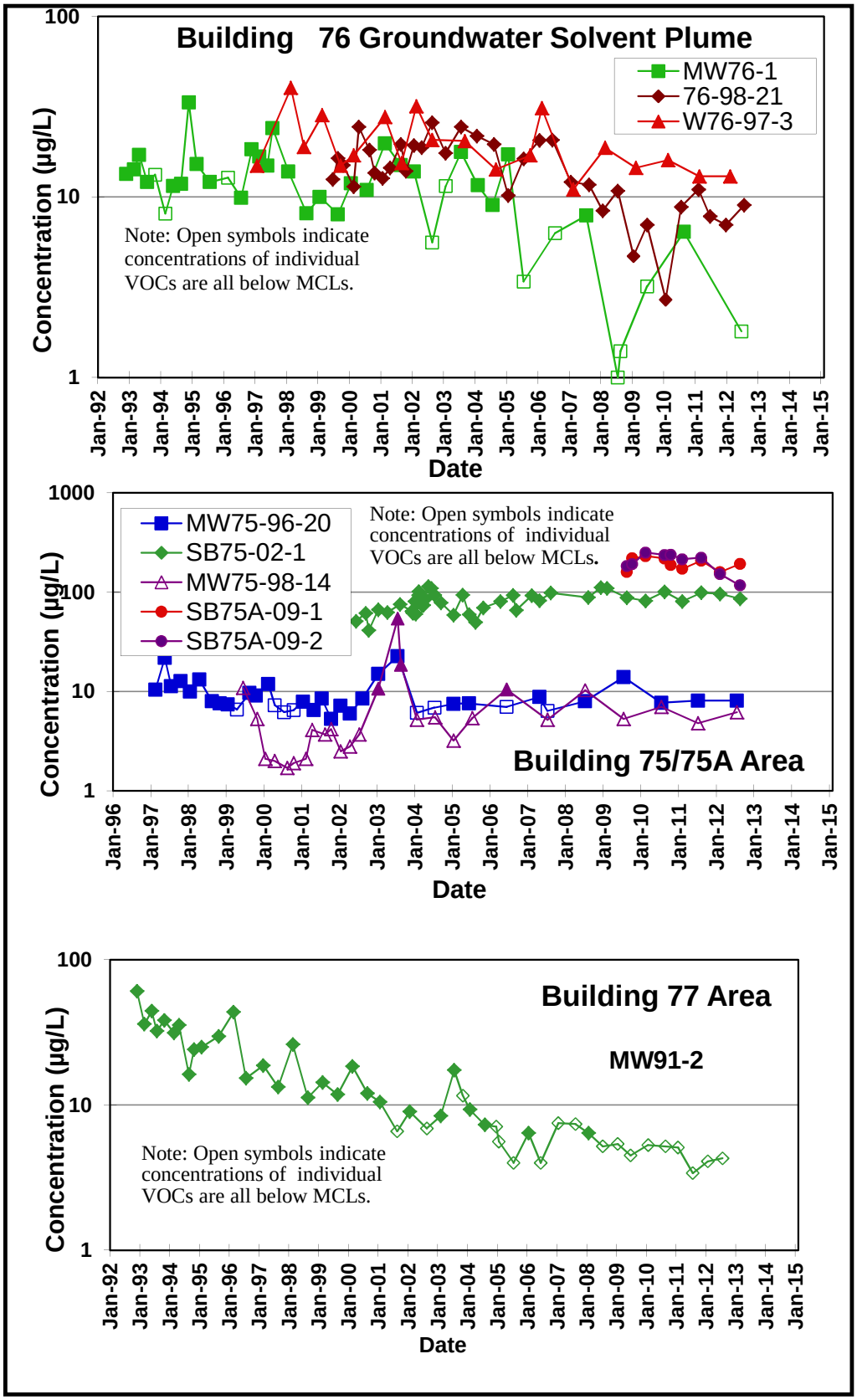



**Figure 49. Concentration Trends for Total VOCs, Building 76, Building 75/75A, and Building 77 Areas of Groundwater Contamination.**

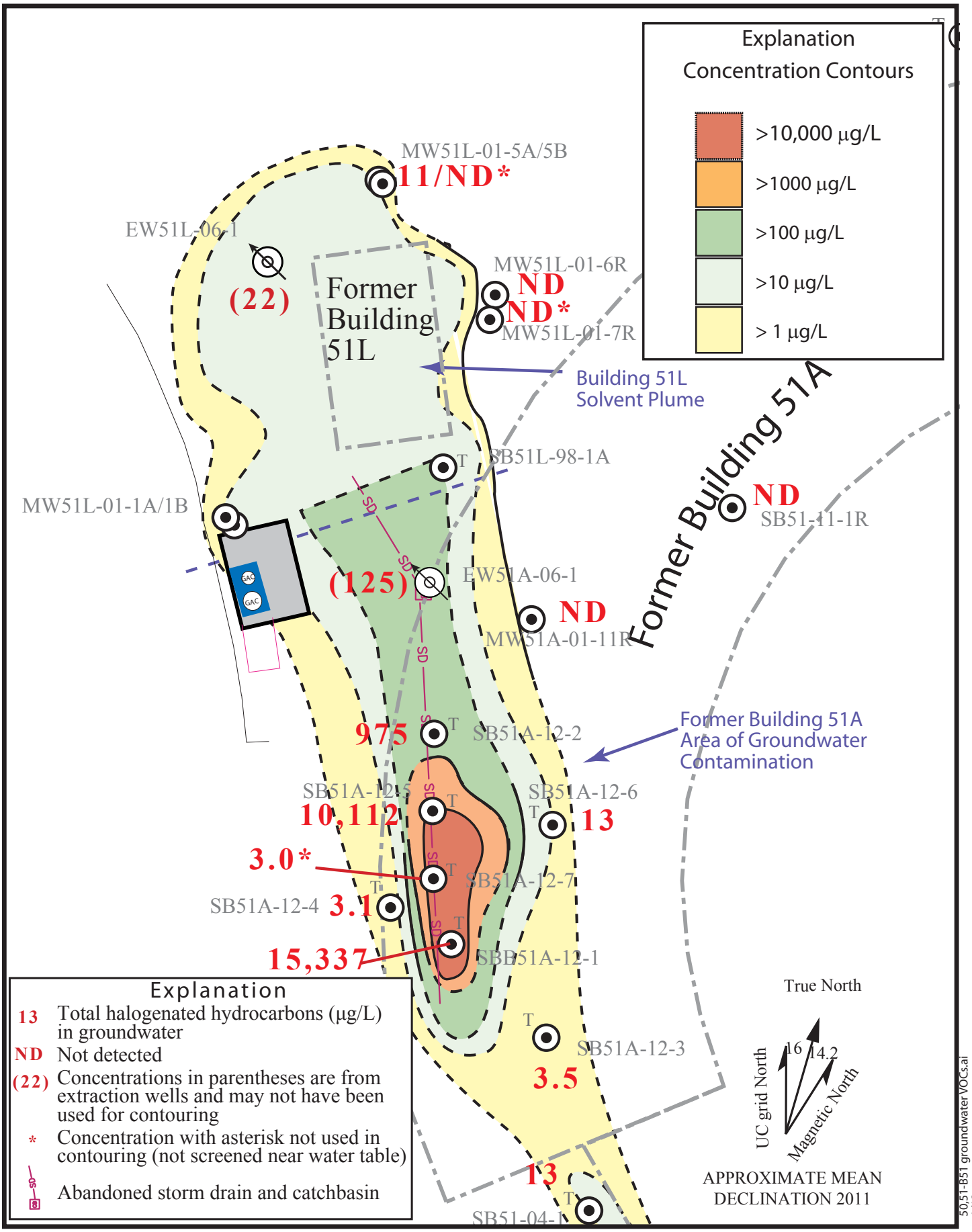
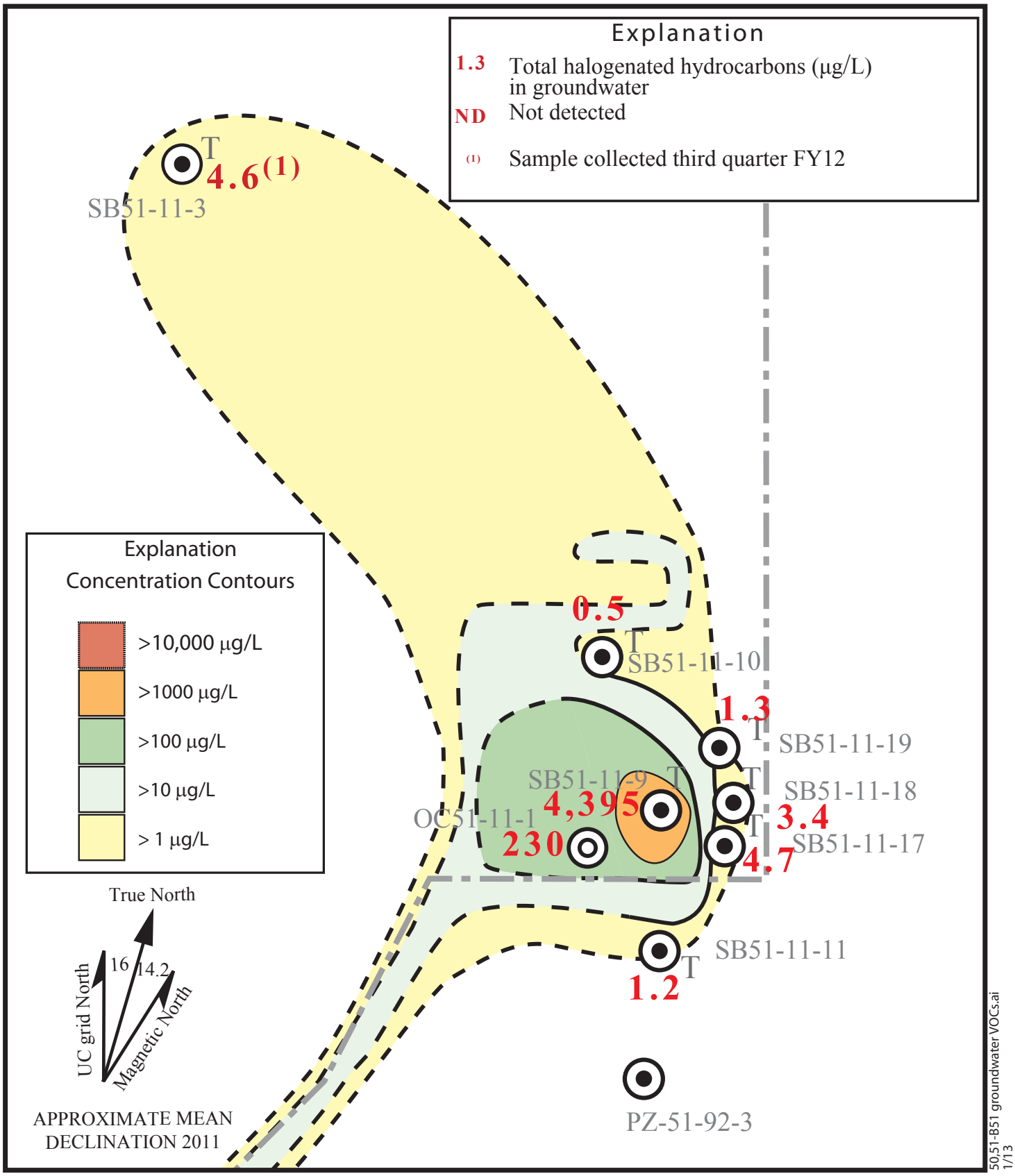



**Figure 50. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (µg/L) in the Former Building 51A Area, Fourth Quarter FY12.**

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# Table 1
# EPA Method 8260 Quantitation Limits for Groundwater Samples
## 3rd and 4th Quarter FY 2012

| | Groundwater Samples (µg/L) | | |
|---|---|---|---|
| Compound | LBNL EML | BC Laboratories | Curtis & Tompkins |
| Benzene | 1.0 | 0.5 | 0.5 |
| Bromobenzene | 1.0 | | |
| Bromochloromethane | 2.0 | | |
| Bromodichloromethane | 1.0 | 0.5 | 0.5 |
| Bromoform | 2.0 | 0.5 | 0.5 |
| Bromomethane | 10.0 | 0.5 | 1.0 |
| n-Butylbenzene | 1.0 | | |
| sec-Butylbenzene | 1.0 | | |
| tert-Butylbenzene | 1.0 | | |
| Carbon Tetrachloride | 1.0 | 0.5 | 0.5 |
| Chlorobenzene | 1.0 | 0.5 | 0.5 |
| Chlorodifluoromethane (Freon-22) | 30.0 | | |
| Chloroethane | 30.0 | 0.5 | 0.5 |
| Chloroform | 3.0 | 0.5 | 0.5 |
| Chloromethane | 10.0 | 0.5 | 1.0 |
| 2-Chlorotoluene | 2.0 | | |
| 4-Chlorotoluene | 2.0 | | |
| Dibromochloromethane | 2.0 | 0.5 | 0.5 |
| 1,2-Dibromo-3-chloropropane | 2.0 | 1.0 | 2.0 |
| 1,2-Dibromoethane | 2.0 | | |
| Dibromomethane | 1.0 | | |
| 1,2-Dichlorobenzene | 1.0 | | |
| 1,3-Dichlorobenzene | 1.0 | | |
| 1,4-Dichlorobenzene | 1.0 | | |
| Dichlorodifluoromethane (Freon-12) | 3.0 | 0.5 | 1.0 |
| 1,1-Dichloroethane | 1.0 | 0.5 | 0.5 |
| 1,2-Dichloroethane | 2.0 | 0.5 | 0.5 |
| 1,1-Dichloroethene | 1.0 | 0.5 | 0.5 |
| cis-1,2-Dichloroethene | 1.0 | 0.5 | 0.5 |
| trans-1,2-Dichloroethene | 1.0 | 0.5 | 0.5 |
| 1,2-Dichloroethylene (total) | | 0.5 | 0.1 |
| 1,2-Dichloropropane | 1.0 | 0.5 | 0.5 |
| 1,3-Dichloropropane | 1.0 | | |
| 2,2-Dichloropropane | 1.0 | | |
| 1,1-Dichloropropene | 1.0 | | |
| cis-1,3-Dichloropropene | 1.0 | 0.5 | 0.5 |
| trans-1,3-Dichloropropene | 1.0 | 0.5 | 0.5 |
| 1,2-Dichlorotetrafluoroethane (Freon-114) | 3.0 | | |
| Dichlorotrifluoroethane (Freon-123) | 1.0 | | |
| 1,2-Dichlorotrifluoroethane (Freon-123A) | 1.0 | | |
| Ethylbenzene | 1.0 | 0.5 | 0.5 |
| Hexachlorobutadiene | 3.0 | | |
| Isopropylbenzene | 2.0 | | |
| p-Isopropyltoluene | 1.0 | | |
| Methylene Chloride | 1.0 | 1.0 | 10 |
| Methyl tert-Butyl Ether | 5.0 | | |

# Table 1 (Cont'd)
# EPA Method 8260 Quantitation Limits
# for Groundwater Samples
## 3rd and 4th Quarter FY 2012

| | Groundwater Samples (µg/L) | | |
|---|---|---|---|
| Compound | LBNL EML | BC Laboratories | Curtis & Tompkins |
| Naphthalene | 2.0 | | |
| n-Propylbenzene | 1.0 | | |
| Styrene | 1.0 | 0.5 | 0.5 |
| 1,1,2,2-Tetrachloroethane | 1.0 | 0.5 | 0.5 |
| 1,1,1,2-Tetrachloroethane | 2.0 | 0.5 | 0.5 |
| Tetrachloroethene | 1.0 | 0.5 | 0.5 |
| Toluene | 1.0 | 0.5 | 0.5 |
| 1,2,3-Trichlorobenzene | 2.0 | | |
| 1,2,4-Trichlorobenzene | 1.0 | | |
| 1,1,1-Trichloroethane | 1.0 | 0.5 | 0.5 |
| 1,1,2-Trichloroethane | 1.0 | 0.5 | 0.5 |
| Trichloroethene | 1.0 | 0.5 | 0.5 |
| Trichlorofluoromethane (Freon-11) | | 0.5 | 1.0 |
| 1,2,3-Trichloropropane | 1.0 | 1.0 | 1.0 |
| Trichlorotrifluoroethane (Freon-113) | 1.0 | 0.5 | 2.0 |
| 1,2,4-Trimethylbenzene | 1.0 | | |
| 1,3,5-Trimethylbenzene | 1.0 | | |
| Vinyl Chloride | 1.0 | 0.5 | 0.5 |
| Total-Xylene | 2.0 | 1.0 | 1.0 |
| Acetone | | 10 | 10 |
| Acetonitrile | | 100 | |
| Acrolein | | 50 | |
| Acrylonitrile | | 50 | |
| Carbon DIsulfide | | 5.0 | 5.0 |
| 2-Chloroethyl vinyl ether | | 10 | |
| Chloroprene (2-chloro-1,3-butadiene) | | 5.0 | |
| trans-1,4-Dichloro-2-butene | | 5.0 | |
| 1,4-Dioxane | | 100 | |
| Ethanol | | 1000 | 2000 |
| 2-Hexanone | | 10 | 10 |
| Methyl ethyl ketone (2-Butanone) | | 10 | 10 |
| Methyl isobutyl ketone (4-Methyl-2-Pentanone) | | 10 | 10 |
| Vinyl Acetate | | 20 | 20 |
| Allyl chloride | | | |
| Cyclohexanone | | | |
| Ethyl acetate | | | |
| Ethyl ether | | | |
| Ethyl methacrylate | | | |
| Iodomethane | | | |
| Isobutyl alcohol | | | |
| Methacrylonitrile | | | |
| n-Butyl alcohol | | | |
| Pentachloroethane | | | |
| Propionitrile | | | |

= Compound not included in analysis

# Table 2
## Groundwater Sampling Locations and Analytical Methods
### 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Trip Blank | | T-609 | √ | √√√√√√ | √ | √ | √√√√ | √√√ | | | | | | |
| Field Blank | | T-608 | √ | √√√√ | √√ | √√√√√√ | √√√ | √√√√ | √ | | | | | √√√√ |
| Monitoring Wells | | | | | | | | | | | | | | |
| MW90-2[S] | 2 | T-429 | √ | | √ | | √ | | | | | | | |
| MW90-3[S] | 1 | T-86 | | | | | √ | | | | | | | |
| MW90-4[A] | 1 | T-88 | | | | | √ | | | | | | | |
| MW90-5[S] | 1 | T-90 | | | | | √ | | | | | | | |
| MW91-1[A] | 5 | T-542 | | | | √ | | | | | | | | |
| MW91-2[S] | 5 | T-543 | | | | | √ | | | | | | | |
| MW91-4[N] | 3 | T-546 | | | | | √ | | | | | | | |
| MW91-6[N] | 3 | T-600 | | | | | | | | | | | | |
| MW91-8[S] | 2 | T-433 | √ | | √ | | √ | | | | | | | |
| MW91-9[A] | 10 | T-439 | | √ | | √ | | √ | | | | | | |
| MWP-1[Q] | 15 | T-93 | | √ | | √ √ | | | | | | | | |
| MWP-2[S] | 8 | T-585 | | | | | √ | | | | | | | |
| MWP-4[S] | 14 | T-444 | | | | √ | | | | | | | | |
| MWP-5[S] | 14 | T-447 | | | | √ | | | | | | | | |
| MWP-6[S] | 14 | T-451 | | | | | √ | | | | | | | |
| MWP-7[T] | 14 | T-455 | | | | | √ | | | | | | | |
| MWP-8[S] | 10 | T-457 | | | | √ | | | | | | | | |
| MWP-9[A] | 5 | T-548 | | | | √ | | | | | | | | √ |
| MWP-10[N] | 5 | T-600 | | | | | | | | | | | | √ |
| MW76-1[A] | 4 | T-540 | | | | √ | | | √ | √ | | | | |
| 51-92-2[N] | 9 | T-26 | | | | | | | | | | | √ | |
| 46-92-9[A] | 7 | T-349 | | | | √ | | | | | | | √ | |
| 77-92-10[N] | 5 | T-602 | | | | | | | | | | | √ | |
| 26-92-11[A] | 10 | T-341 | | | | | √ | | | | | | | |
| 61-92-12[S] | 5 | T-519 | | | | √ | | | | | | | | |
| 74-92-13[N] | 11 | T-599 | | | | | | | | | | | | |
| 83-92-14[N] | 11 | T-599 | | | | | | | | | | | | |
| 46A-92-15[A] | 1 | T-24 | | | | | √ | | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Monitoring Wells | | | | | | | | | | | | | | |
| 7-92-16[S] | 2 | T-260 | | | | | | √,D | | | √,D | | | |
| 6-92-17[S] | 14 | T-252 | | | | | √ | | | | | | | |
| 37-92-18A[N] | 14 | T-602 | | | | | | | | | | | √ | |
| 7-92-19[S] | 2 | T-263 | √ | | √ | | √ | | | | | | | |
| 27-92-20[Q] | 2 | T-343 | √ | | √ | | √ | | | | | | | |
| 69A-92-22[A] | 3 | T-527 | | | | | √ | | | | | | | |
| 75B-92-24[N] | 3 | T-600 | | | | | | | | | | | | √ |
| 62-92-26[S] | 13 | T-564 | | | | √ | | | | | | | | |
| 62-92-27[S] | 13 | T-567 | | | | √ | | | | | | | | |
| CD-92-28[S] | OS | T-578 | | | | √ | | | | | | | | |
| 71-93-2[N] | 1 | T-77 | | | | | | | | | | | | |
| 58-93-3[S] | 7 | T-402 | | | | | √ | | | | | | | |
| 6-93-4[A] | 2 | T-254 | | | | | | √ | | | √ | | | |
| 76-93-6[N] | 4 | T-600 | | | | | | | | | | | | √ |
| 53-93-9[Q] | 2 | T-380 | | √ | | √ | | √ | | | | | | |
| 5-93-10[S] | 10 | T-247 | | √ | | √ | | √ | | | | | | |
| 88-93-11A[S] | 6 | | | | | | | | | | | | | |
| 46-93-12[S] | 7 | T-351 | | | | | √ | | | | | | | |
| 52-93-14[A] | 10 | T-361 | | | | | √ | | | | | | | |
| 53-93-16-42'[A] | 2 | T-387 | | | | | √ | | | | | | | |
| 53-93-16-69'[S] | 2 | T-389 | | √ | | √ | | √ | | | | | | |
| 53-93-17[N] | 2 | | | | | | | | | | | | | |
| 51B-93-18A[S] | 9 | T-65 | | | | √ | | | | | | | √ | |
| 7-94-3[S] | 2 | T-268 | √ | | √ | | √,D | | | | | | | |
| 77-94-5[N] | 5 | T-602 | | | | | | | | | | | √,D | |
| 77-94-6[N] | 5 | T-600 | | | | | | | | | | | | √ |
| 74-94-7[S] | 11 | T-570 | | | √ | √ | | | √ | | | | | |
| 74-94-8[S] | 11 | T-573 | | | | √ | | | √ | | | | | |
| 25-94-12[A] | 10 | | | | | | | | | | | | | |
| 16-94-13[A] | 10 | T-308 | | | | | √ | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Monitoring Wells | | | | | | | | | | | | | | |
| 58A-94-14[S] | 7 | T-426 | | | | | | √ | | | | | | |
| 51-94-15[A] | 7 | T-356 | | | | √ | | | | | | | | |
| 52-95-2A | 10 | T-362 | | | | | | √ | | | | | | |
| 52-95-2B[S] | 10 | T-363 | | √ | | √ | | | | | | | | |
| 16-95-3[N] | 10 | T-310 | | | | | √ | | | | | | | |
| 25-95-5[N] | 10 | T-311 | | | √ | | | | | | | | | |
| 74-95-6[A] | 11 | T-576 | | | | | | | | | | | | |
| 71-95-9[N] | 1 | T-600 | | | | | | | | | | | | √ |
| 58-95-11[A] | 7 | T-405 | | | | | √ | | | | | | | |
| 53-95-12[S] | 2 | T-395 | | | | | | √ | | | | | | |
| 52B-95-13[A] | 2 | T-379 | | | | | | √ | | | | | | |
| 6-95-14[A] | 2 | T-256 | | √ | | √ | | | | | √ | | | |
| 25A-95-15[S] | 10 | T-322 | | | | | | √ | | | | | | |
| 58-95-18[A] | 7 | T-406 | | | | | √ | | | | | | | |
| 58-95-19[S] | 7 | T-408 | | | | | | √ | | | | | | |
| 58-95-20[A] | 7 | T-410 | | | | | √ | | | | | | | |
| 7B-95-21[S] | 2 | T-289 | √ | | √ | | | √ | | | | | | |
| 7-95-22[S] | 2 | T-272 | √ | | √ | | | √ | | | | | | |
| 7-95-23[Q] | 2 | T-279 | √ | | √ | | | √ | | | | | | |
| 7B-95-24[Q] | 2 | T-296 | √ | | √ | | √ | | | | | | √ | |
| 7B-95-25[S] | 2 | T-303 | | √ | | √ | | | | | | | | |
| 25-95-27[S] | 10 | T-316 | | | | √ | | | | | | | | |
| 53-96-1[A] | 2 | T-397 | | √ | | √ | | √,D | | | | | | |
| 51-96-3[A] | 7 | T-358 | | | | √ | | | | | | | | |
| 46-96-10[A] | 7 | T-354 | | | | | √ | | | | | | | |
| 58-96-11[Q] | 2 | T-412 | √ | | √ | | √,D | | | | | | | |
| 51-96-15[S] | 9 | T-27 | | | | | √ | | | | | | | |
| 51-96-16[S] | 9 | T-29 | | √ | | √ | | | | | | | | |
| 51-96-17[A] | 9 | T-35 | | √ | | √ | | | | | | | | |
| 51-96-18[S] | 9 | T-41 | | √ | | √ | | √,D | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Monitoring Wells | | | | | | | | | | | | | | |
| 75-96-20[A] | 3 | T-529 | | | | | √ | | | | | | | |
| 64-97-1[A] | 9 | T-73 | | | | √ | | | | | | | √ | |
| 64-97-2[S] | 9 | T-75 | | | | √ | √ | | | | | | √ | |
| 51-97-3[A] | 9 | T-48 | | | | | √ | | | | | | | |
| 75-97-5[N] | 3 | T-600 | | | | | | | | | | | | √,D |
| 75-97-6[N] | 3 | T-531 | | | | | | | | | | | | |
| 75-97-7[N] | 3 | T-600 | | | | | | | | | | | | √ |
| 69-97-8[S] | 3 | T-522 | | √ | | √ | | √ | | | | | | |
| 77-97-9[N] | 5 | T-600 | | | | | | | | | | | | |
| 77-97-11[N] | 5 | T-600 | | | | | | | | | | | | √ |
| 51-97-12[S] | 9 | T-49 | | | | | √ | | | | | | | |
| 51-97-13[A] | 9 | T-51 | | | | | √ | | | | | | | |
| 51-97-14[A] | 9 | T-53 | | | | √ | | | | | | | | |
| 51-97-15[S] | 9 | T-54 | | | | | √ | | | | | | | |
| 31-97-17[N] | 5 | T-600 | | | | | | | | | | | | √ |
| 31-97-18[N] | 5 | T-600 | | | | | | | | | | | | |
| 78-97-20[N] | 4 | T-600 | | | | | | | | | | | | |
| 69-97-21[N] | 3 | | | | | | | | | | | | | |
| 25A-98-1[S] | 10 | T-324 | | √ | | √ | | √ | | | | | | |
| 56-98-2[A] | 9 | T-70 | | | | | √ | | | | | | | |
| 25A-98-3[S] | 10 | T-329 | | √ | | √ | | √ | | | | | | |
| 25A-98-7[S] | 10 | T-335 | | √ | | √ | | √ | | | | | | |
| 52A-98-8A[A] | 10 | | | | | | | | | | | | | |
| 52A-98-8B[S] | 10 | T-374 | | √ | | √ | | | | | | | | |
| 52-98-9[A] | 10 | T-369 | | √ | | √ | | | | | | | | |
| 25-98-10[A] | 10 | T-318 | | | | | | | | | | | | |
| 71B-98-13[S] | 1 | T-79 | | | | √ | | | | | | | | √ |
| 75-98-14[A] | 3 | T-533 | | | | | √ | | | | | | | √ |
| 75-98-15[N] | 3 | T-534 | | | | | | | | | | | | |
| 31-98-17[S] | 5 | T-517 | | | | √ | | | | | | | | √√ |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Monitoring Wells | | | | | | | | | | | | | | | |
| 63-98-18[A] | 15 | T-72 | | | | | | √ | | | | | | | |
| 76-98-21[S] | 4 | T-536 | | | | | | √ | | | | | | | |
| 76-98-22[S] | 4 | T-538 | | | | | | √ | | | | | | | |
| 51-99-1[N] | 9 | T-57 | | | | | | | | | | | | | |
| 25A-99-2[S] | 10 | T-340 | | | | | √ | | | | | | | | |
| 71B-99-3R[Q] | 1 | T-81 | | √ | | | √ | | √ | | | | | | √ |
| 75-99-6[N] | 3 | T-600 | | | | | | | | | | | | | √ |
| 75-99-7[N] | 3 | T-535 | | | | | | | | | | | | | |
| 75-99-8[N] | 3 | T-602 | | | | | | | | | | | | √ | |
| 7-00-4[A] | 2 | T-286 | | | | | | √ | | | | | | | |
| 51-00-8[Q] | 9 | T-58 | | √ | | | | | √ | | | | | | |
| 51-00-9[N] | 9 | T-60 | | | | | | | √ | | | | √ | √ | |
| 51-00-10[A] | 9 | T-62 | | | | | | | √ | | | | √ | √ | |
| 58-00-12[Q] | 7 | T-419 | √ | | √ | | | √,D | | | | | | | |
| 51L-01-1A[A] | 9 | | | | | | | | | | | | | | |
| 51L-01-1B[N] | 9 | | | | | | | | | | | | | | |
| 51L-01-5A[A] | 9 | T-67 | | | | | √ | | | | | | | | |
| 51L-01-5B[A] | 9 | T-69 | | | | | √ | | | | | | | | |
| 51L-01-6R | 9 | T-70 | | | | | √ | | | | | | | | |
| 51L-01-7R | 9 | T-70 | | | | | √ | | | | | | | | |
| 51A-01-11[A] | 9 | T-63 | | | | | | | | | | | | | |
| 51A-01-11R | 9 | T-64 | | | | | | √ | | | | | | | |
| OW3-225[S] | 8 | T-581 | | | | | √ | | | | | | | | |
| MP7-99-1BR | 2 | T-461 | √ | | √ | | | √ | | | | | | | |
| MP7-99-2BR | 2 | T-464 | √ | √,D | | | | √ | | | | | | | |
| Hydraugers | | | | | | | | | | | | | | | |
| 51-01-01 | 9 | T-589 | | √,D | | | | √,D | | | | | | | |
| 51-01-02 | 9 | T-589 | | √ | | | | √ | | | | | | | |
| 51-01-03 | 9 | T-590 | | √ D | | | | √ D | | | | | | | |
| 51-01-04 | 9 | T-590 | | √ | | | | √ | | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Slope Stability Facilities | | | | | | | | | | | | | | |
| SSW17-130 | 5 | T-601 | | | | | | | | | | | | |
| SSW19-130 | 5 | T-601 | | | | | | | | | | | | |
| SSW20-130 | 5 | T-601 | | | | | | | | | | | | |
| SSW21-130 | 5 | T-601 | | | | | | | | | | | | |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | | | |
| OC51-11-1 | 10 | T-243 | | √ | √ | | √ | | | | | | | |
| SB5A-98-1 | 10 | T-467 | | √ | | √ | | | | | | | | |
| SB7-97-1 | 2 | T-470 | | | | | | | | | | | | |
| SB16-97-11 | 10 | T-471 | | | | | | | | | | | | |
| SB16-98-1 | 10 | T-471 | | | | | | √ | | | | | | |
| SB25A-96-3 | 10 | T-473 | | √ | | | | | | | | | | |
| SB27-96-1 | 5 | T-475 | √ | | √ | | √ | | | | | | | |
| SB31-02-1 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-02-2 | 5 | T-601 | | | | | | | | | | | | √, D |
| SB31-02-4 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-02-5 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-02-6 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-02-7 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-03-1 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-03-2 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-03-3 | 5 | T-601 | | | | | | | | | | | | √ |
| SB31-03-4 | 5 | T-601 | | | | | | | | | | | | √ |
| SB44-98-1 | 10 | T-479 | | | | | | | | | | | | |
| SB51-98-2 | 9 | | | | | | | | | | | | | |
| SB51-98-4 | 9 | | | | | | | | | | | | | |
| SB51-98-6 | 9 | | | | | | | | | | | | | |
| SB51-98-8 | 9 | | | | | | | | | | | | | |
| SB51-98-9 | 9 | | | | | | | | | | | | | |
| SB51-04-1 | 9 | T-98 | | | | | | √ | | | | | | |
| SB51-10-W2 | 9 | T-243 | | | | | | | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | | | |
| SB51-10-W5 | 9 | T-243 | | | | | | | | | | | | |
| SB51-11-1R | 9 | T-243 | | √ | | | | √ | | | | | | √ |
| SB51-11-3 | 9 | T-243 | | √ | | | | | | | | | | √ |
| SB51-11-4 | 9 | T-243 | | √ | | | | √ | | | | | | √ |
| SB51-11-5 | 9 | T-243 | | | | | | | | | | | | |
| SB51-11-6 | 9 | T-243 | | | | | | | | | | | | |
| SB51-11-9 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-10 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-11 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-17 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-18 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-19 | 9 | T-244 | | √ | | | | √ | | | | | | |
| SB51-11-42 | 9 | T-244 | | | | | | | | | | | | |
| SB51-11-43 | 9 | T-245 | | | | | | | | | | | | |
| SB51-11-M2 | 9 | T-245 | | | | | | | | | | | | |
| SB51-11-M3 | 9 | T-245 | | | | | | | | | | | | |
| SB51-11-M4 | 9 | T-245 | | | | | | | | | | | | |
| SB51A-12-1 | 9 | T-245 | | √ | | √ | | | | | | | | |
| SB51A-12-2 | 9 | T-245 | | √ | | √ | | | | | | | | |
| SB51A-12-3 | 9 | T-245 | | √ | | √ | | | | | | | | |
| SB51A-12-4 | 9 | T-246 | | √ | | √ | | | | | | | | |
| SB51A-12-5 | 9 | T-246 | | √ | | √ | | | | | | | | |
| SB51A-12-6 | 9 | T-246 | | √ | | √ | | | | | | | | |
| SB51A-12-7 | 9 | T-246 | √√ | √ | | √ | | | | | | | | |
| SB51L-98-1A | 9 | T-98 | | | | | | | | | | | | |
| SB52A-98-1 | 2 | | | | | | | | | | | | | |
| SB53-96-3 | 2 | T-480 | | √ | | √ | | √ | | | | | | |
| SB58-95-1 | 7 | T-487 | | | | | | √ | | | | | | |
| SB58-95-2 | 7 | T-488 | | | | | | √ | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | | | |
| SB58-96-1 | 7 | T-490 | √ | | √ | | √ | | | | | | | |
| SB58-96-2 | 7 | T-493 | √ | | √ | | √ | | | | | | | |
| SB58-97-1 | 7 | T-497 | √ | | √ | | √ | | | | | | | |
| SB58-97-2 | 7 | T-500 | √ | | √ | | √ | | | | | | | |
| SB58-98-1 | 7 | T-504 | | | | | | | | | | | | |
| SB58-98-6 | 7 | T-505 | | | | | | √ | | | | | | |
| SB58-98-7 | 7 | T-506 | | | | | | √ | | | | | | |
| SB58-01-2 | 7 | T-486 | | | | | | √ | | | | | | |
| SB58-02-1R | 7 | T-507 | | | | | | √ | | | | | | |
| SB58-02-2 | 7 | T-507 | | | | | | √ | | | | | | |
| SB64-98-8 | 9 | T-100 | | √,D | | √ | | √ | | | | | | |
| SB64-98-12 | 9 | T-107 | | | | | | √ | | | | | | |
| SB64-98-13 | 9 | T-109 | | | | | | √ | | | | | | |
| SB64-98-17 | 9 | T-111 | | √ | | √ | | √ | | | | | | |
| SB64-99-4 | 9 | T-117 | | √ | | √ | | √,D | | | | | | |
| SB64-99-5 | 9 | T-123 | | √ | | √ | | √ | | | | | | |
| SB64-99-6 | 9 | T-128 | | | | | | √ | | | | | | |
| SB64-00-1 | 9 | T-131 | | √ | | √ | | √,D | | | | | | |
| SB64-00-2 | 9 | T-137 | | √ | | √ | | √ | | | | | | |
| SB64-02-1A | 9 | T-143 | √ | | √ | | √ | | | | | | | |
| SB64-02-1B | 9 | T-146 | √ | | √ | | √ | | | | | | | |
| SB64-02-1C | 9 | T-150 | √ | | √ | | √ | | | | | | | |
| SB64-02-1D | 9 | T-154 | √ | | √ | | √ | | | | | | | |
| SB64-02-1E | 9 | T-157 | √ | | √ | | √ | | | | | | | |
| SB64-02-1F | 9 | T-161 | √ | | √ | | √ | | | | | | | |
| SB64-02-2A | 9 | T-165 | √ | | √ | | √ | | | | | | | |
| SB64-02-2B | 9 | T-168 | √ | | √ | | √ | | | | | | | |
| SB64-02-2C | 9 | T-172 | √ | | √ | | √ | | | | | | | |
| SB64-02-2D | 9 | T-175 | √ | | √ | | √ | | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | | | |
| SB64-02-2E | 9 | T-179 | √ | | √ | | √ | | | | | | | |
| SB64-02-2F | 9 | T-182 | √ | | √ | | √ | | | | | | | |
| SB64-03-1A | 9 | T-186 | | | | | | √ | | | | | | |
| SB64-03-1B | 9 | T-188 | | √ | | √ | | √ | | | | | | |
| SB64-03-4 | 9 | T-194 | | | | | | √ | | | | | | |
| SB64-03-5 | 9 | T-195 | | √ | | √ | | √ | | | | | | |
| SB64-03-6 | 9 | T-200 | | √ | | √ | | √ | | | | | | |
| SB64-03-7 | 9 | T-205 | | | | | | √ | | | | | | |
| SB64-03-8 | 9 | T-207 | | | | | | √ | | | | | | |
| SB64-03-12 | 9 | T-209 | | | | | | √ | | | | | | |
| SB64-03-13 | 9 | T-210 | | | | | | √ | | | | | | |
| SB64-05-4 | 9 | T-210 | | √ | | √ | | √ | | | | | | |
| SB69-02-1A | 3 | T-600 | | | | | | | | | | | | √ |
| SB69-02-1B | 3 | | | | | | | | | | | | | |
| SB69A-99-1 | 3 | T-551 | | √ | | √ | | √ | | | | | | √ |
| SB69A-00-1 | 3 | T-556 | | | | | | √ | | | | | | √ |
| SB71B-99-1 | 1 | T-215 | | | | | | √ | | | | | | |
| SB71B-99-2 | 1 | | | | | | | | | | | | | |
| SB71B-03-1 | 1 | T-216 | | √ | | √ | | √ | | | | | | |
| SB71B-03-2 | 1 | T-224 | | √ | | √ | | √ | | | | | | |
| SB71B-04-1 | 1 | T-232 | | √ | | √ | | √ | | | | | | |
| SB71H-98-1 | 1 | T-237 | | | | | | √ | | | | | | |
| SB75-02-1 | 3 | T-557 | | | | | | √ | | | | | | √ |
| SB75A-02-1A | 3 | T-600 | | | | | | | | | | | | √ |
| SB75A-02-1B | 3 | | | | | | | | | | | | | |
| SB75A-09-1 | 3 | T-559 | | | | | | √ | | | | | | √ |
| SB75A-09-2 | 3 | T-560 | | | | | | √ | | | | | | √ |
| SB77-10-1A | 5 | T-601 | | | | | | | | | | | | √ |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | | | |
| SB77-10-1B | 5 | T-601 | | | | | | | | | | | | √ |
| SB77-10-1C | 5 | T-601 | | | | | | | | | | | | √ |
| SB77-02-1 | 5 | T-560 | | | | | | √ | | | | | | √ |
| W76-97-3 | 4 | T-561 | | | | | | | | | | | | |
| W76-97-4 | 4 | T-562 | | | | | | | | | | | | |
| W76-97-5 | 4 | T-563 | | | | | | | | | | | | |
| Extraction Wells | | | | | | | | | | | | | | |
| EW7-96-1 | 2 | T-509 | | √ | | √ | | √ | | | | | | |
| EW7-96-2 | 2 | T-509 | | √ | | √ | | √ | | | | | | |
| EW7-96-4R | 2 | T509 | | √ | | √ | | √ | | | | | | |
| EW7-03-1 | 2 | T-510 | | √ | | √ | | √ | | | | | | |
| EW7-03-2 | 2 | T-510 | | √ | | √ | | √ | | | | | | |
| EW7-03-3 | 2 | T-510 | | √ | | √ | | √ | | | | | | |
| EW7-06-1 | 2 | T-511 | √ | | √ | | √ | | | | | | | |
| EW7C-04-2 | 2 | T-511 | | √ | | √ | | √ | | | | | | |
| EW25A-02-1 | 10 | T-512 | | √ | | √ | | √ | | | | | | |
| EW51-07-1 | 9 | T-239 | | √ | | √ | | √ | | | | | | |
| EW51-07-2 | 9 | T-239 | | √ | | √ | | √ | | | | | | |
| EW51A-06-1 | 9 | T-240 | | √ | | √ | | √ | | | | | | |
| EW51B-07-1 | 9 | T-240 | | √ | | √ | | √ | | | | | | |
| EW51B-07-2 | 9 | T-241 | | √ | | √ | | √ | | | | | | |
| EW51L-06-1 | 9 | T-241 | | √ | | √ | | √ | | | | | | |
| EW53-04-2 | 2 | T-512 | | √ | | √ | | √ | | | | | | |
| EW58-98-1[T] | 7 | T-512 | | √ | | | √ | | | | | | | |
| EW58-98-2[T] | 7 | T-513 | | √ | | | √ | | | | | | | |
| EW58E-98-1 | 7 | T-513 | √ | | √ | | √ | | | | | | | |
| EW58E-98-2 | 7 | T-513 | √ | | √ | | √ | | | | | | | |
| EW58E-98-3 | 7 | T-514 | √ | | √ | | √ | | | | | | | |

# Table 2 (Cont'd)
# Groundwater Sampling Locations and Analytical Methods
## 3rd and 4th Quarter FY 2012

| | | | VOCs - 8260 | | | | | | TPH-8015 | | | PCBs | Metals | Tritium |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | Apr | May | Jun | Jul | Aug | Sept | TPH-D | TPH-G | TPH-K | 608 | | 906 |
| Extraction Wells | | | | | | | | | | | | | | |
| EW58E-98-4 | 7 | T-514 | √ | | √ | | √ | | | | | | | |
| EW58E-98-5 | 7 | T-514 | √ | | √ | | √ | | | | | | | |
| EW58E-98-6 | 7 | T-515 | √ | | √ | | √ | | | | | | | |
| EW58E-98-7 | 7 | T-515 | √ | | √ | | √ | | | | | | | |
| EW58E-98-8 | 7 | T-515 | √ | | √ | | √ | | | | | | | |
| EW58-02-1[T] | 7 | T-516 | | √ | | √ | | √ | | | | | | |
| EW58-07-1 | 7 | T-516 | | √ | | √ | | √ | | | | | | |
| EW64-00-1[T] | 9 | T-242 | | √ | | √ | | √ | | | | | | |
| EW64-03-1[T] | 9 | T-242 | | √ | | √ | | √ | | | | | | |

= all compounds less than Quantitation Limit or for tritium less than Minimum Detectable Activity

Minimum required groundwater monitoring well sampling schedule for VOCs

[N] = No sampling
[Q] = Quarterly sampling
[S] =Semi-annual
[A] = Annual

[T] = Treatment system influent samples
D = each D represents one duplicate sample
√ = each check represents one sample taken
Analytical Methods:

VOCs = Volatile Organic compounds, EPA Method 8260
TPH-D = TPH-Diesel, EPA Method 8015
TPH-G = TPH-Gas, EPA Method 8015
TPH-K = TPH-Kerosene, EPA Method 8015
PCBs = Polychlorinated Biphenyls, EPA Method 608

# Table 3
# Groundwater Elevations in LBNL Monitoring Wells
## 4th Quarter FY 2012

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| **Bevalac Area** | | | | | | |
| 46A-92-15 | 830.10 | 8/29 | 14.47 | 815.63 | 815.27 | 0.36 |
| 51-92-2 | 724.69 | 8/30 | 5.44 | 719.25 | NM | NM |
| 51-96-15 | 709.83 | 8/30 | 22.55 | 687.28 | 687.71 | -0.43 |
| 51-96-16 | 709.72 | 8/30 | 18.81 | 690.91 | 691.05 | -0.14 |
| 51-96-17 | 709.64 | 8/30 | 14.90 | 694.74 | 693.48 | 1.26 |
| 51-96-18 | 710.76 | 8/30 | NM | NM | 705.16 | NM |
| 51-97-3 | 709.81 | 8/30 | 43.68 | 666.13 | 665.49 | 0.64 |
| 51-97-12 | 709.37 | 8/30 | 42.63 | 666.74 | 666.42 | 0.32 |
| 51-97-13 | 709.48 | 8/30 | 35.63 | 673.85 | 673.58 | 0.27 |
| 51-97-14 | 708.89 | 8/30 | 47.20 | 661.69 | NM | NM |
| 51-97-15 | 706.11 | 8/30 | 71.22 | 634.89 | 634.57 | 0.32 |
| 51-99-1 | 724.44 | 8/30 | 11.33 | 713.11 | 713.47 | -0.36 |
| 51-00-8 | 682.11 | 8/30 | 22.25 | 659.86 | 660.71 | -0.85 |
| 51-00-9 | 709.35 | 8/30 | 13.04 | 696.31 | 684.40 | 11.91 |
| 51-00-10 | 709.56 | 8/30 | 13.33 | 696.23 | 684.12 | 12.11 |
| 51A-01-11R | 709.49 | 8/30 | NM | NM | NM | NM |
| 51B-93-18A | 709.95 | 8/30 | 8.10 | 701.85 | 702.14 | -0.29 |
| 51L-01-1A | 710.04 | 8/30 | NM | NM | NM | NM |
| 51L-01-1B | 710.04 | 8/30 | NM | NM | 700.02 | NM |
| 51L-01-5A | 709.96 | 8/30 | 24.46 | 685.50 | 684.02 | 1.48 |
| 51L-01-5B | 709.94 | 8/30 | 44.68 | 665.26 | 664.81 | 0.45 |
| 51L-01-6R | 709.18 | 8/30 | 25.80 | 683.38 | NM | NM |
| 51L-01-7R | 709.18 | 8/30 | 29.87 | 679.31 | NM | NM |
| 56-98-2 | 709.76 | 8/30 | 20.17 | 689.59 | 691.28 | -1.69 |
| 63-98-18 | 709.99 | 8/30 | 19.96 | 690.03 | 689.42 | 0.61 |

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| | | | | | | |
| 64-97-1 | 709.94 | 8/30 | 7.00 | 702.94 | 705.08 | -2.14 |
| 64-97-2 | 709.65 | 8/30 | 12.72 | 696.93 | 698.83 | -1.90 |
| 71-93-2 | 844.39 | 8/29 | 40.27 | 804.12 | 803.62 | 0.50 |
| 71-95-9 | 854.18 | 8/29 | 16.67 | 837.51 | 834.15 | 3.36 |
| 71B-98-13 | 832.33 | 8/29 | 14.67 | 817.66 | 820.50 | -2.84 |
| 71B-99-3R | 840.13 | 8/29 | 16.18 | 823.95 | 835.94 | -11.99 |
| MW90-3 | 820.60 | 8/29 | 42.18 | 778.42 | 778.42 | 0.00 |
| MW90-4 | 746.15 | 8/29 | 9.14 | 737.01 | 738.47 | -1.46 |
| MW90-5 | 745.75 | 8/29 | 17.66 | 728.09 | 727.20 | 0.89 |
| MWP-1 | 630.65 | 8/30 | 43.43 | 587.22 | 586.80 | 0.42 |
| **Old Town Area** | | | | | | |
| 5-93-10 | 914.90 | 8/29 | 20.27 | 894.63 | 895.98 | -1.35 |
| 6-92-17 | 891.20 | 8/29 | 11.37 | 879.83 | 879.76 | 0.07 |
| 6-93-4 | 881.60 | 8/29 | 27.27 | 854.33 | 837.69 | 16.64 |
| 7-92-16 | 882.40 | 8/29 | 27.50 | 854.90 | 835.80 | 19.10 |
| 7-92-19 | 884.80 | 8/29 | 21.17 | 863.63 | 864.68 | -1.05 |
| 7-94-3 | 882.88 | 8/29 | NM | NM | NM | NM |
| 7-95-22 | 882.16 | 8/29 | 20.50 | 861.66 | 862.67 | -1.01 |
| 7-95-23 | 882.37 | 8/29 | 10.85 | 871.52 | 871.27 | 0.25 |
| 7-00-4 | 883.18 | 8/29 | 94.65 | 788.53 | 792.08 | -3.55 |
| 7B-95-21 | 883.63 | 8/29 | 23.64 | 859.99 | 860.28 | -0.29 |
| 7B-95-24 | 883.88 | 8/29 | 47.50 | 836.38 | 831.36 | 5.02 |
| 7B-95-25 | 882.03 | 8/29 | 19.91 | 862.12 | NM | NM |
| 16-94-13 | 892.50 | 8/29 | 17.88 | 874.62 | 877.45 | -2.83 |
| 16-95-3 | 901.52 | 8/29 | 16.34 | 885.18 | 886.20 | -1.02 |

# Table 3 (Cont'd)
# Groundwater Elevations in LBNL Monitoring Wells
## 4th Quarter FY 2012

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| **Old Town Area** | | | | | | |
| 25-94-12 | 937.59 | 8/29 | NM | NM | NM | NM |
| 25-95-5 | 932.88 | 8/29 | NM | NM | NM | NM |
| 25-95-27 | 859.83 | 8/29 | 29.27 | 830.56 | 830.97 | -0.41 |
| 25-98-10 | 934.42 | 8/29 | NM | NM | NM | NM |
| 25A-95-15 | 931.68 | 8/30 | 18.77 | 912.91 | 917.58 | -4.67 |
| 25A-98-1 | 936.88 | 8/29 | 32.62 | 904.26 | 903.55 | 0.71 |
| 25A-98-3 | 940.14 | 8/29 | NM | NM | NM | NM |
| 25A-98-7 | 942.71 | 8/29 | 13.39 | 929.32 | 931.07 | -1.75 |
| 25A-99-2 | 940.45 | 8/29 | NM | NM | NM | NM |
| 26-92-11 | 936.19 | 8/29 | 18.86 | 917.33 | 916.53 | 0.80 |
| 27-92-20 | 881.10 | 8/29 | 45.67 | 835.43 | 835.82 | -0.39 |
| 37-92-18A | 861.20 | 8/29 | 44.84 | 816.36 | 815.42 | 0.94 |
| 46-92-9 | 805.30 | 8/31 | 75.56 | 729.74 | 734.15 | -4.41 |
| 46-93-12 | 807.57 | 8/31 | 7.52 | 800.05 | 800.06 | -0.01 |
| 46-96-10 | 790.35 | 8/31 | NM | NM | 758.01 | NM |
| 51-94-15 | 770.92 | 8/30 | 35.07 | 735.85 | 757.36 | -21.51 |
| 51-96-3 | 766.44 | 8/30 | 9.2 | 757.24 | 757.44 | -0.20 |
| 52-93-14 | 900.03 | 8/29 | 37.47 | 862.56 | 866.85 | -4.29 |
| 52-95-2A | 910.27 | 8/29 | 43.73 | 866.54 | 867.09 | -0.55 |
| 52-95-2B | 910.23 | 8/29 | 51.87 | 858.36 | 860.92 | -2.56 |
| 52-98-9 | 910.86 | 8/29 | 51.88 | 858.98 | 861.45 | -2.47 |
| 52A-98-8A | 913.56 | 8/29 | 31.54 | 882.02 | 882.60 | -0.58 |
| 52A-98-8B | 913.51 | 8/29 | 51.39 | 862.12 | 866.24 | -4.12 |
| 52B-95-13 | 887.40 | 8/29 | 21.71 | 865.69 | 869.81 | -4.12 |

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| 53-92-21-130' | 886.97 | 8/29 | 67.18 | 819.79 | 819.79 | 0.00 |
| 53-92-21-147' | 886.99 | 8/29 | 65.36 | 821.63 | 821.52 | 0.11 |
| 53-92-21-167' | 886.97 | 8/29 | 66.63 | 820.34 | 820.27 | 0.07 |
| 53-92-21-193' | 886.98 | 8/29 | 77.47 | 809.51 | 809.14 | 0.37 |
| 53-93-9 | 900.68 | 8/29 | 58.77 | 841.91 | 842.60 | -0.69 |
| 53-93-16-42' | 887.45 | 8/29 | 40.10 | 847.35 | 848.20 | -0.85 |
| 53-93-16-69' | 887.40 | 8/29 | NM | NM | NM | NM |
| 53-93-17 | 902.62 | 8/29 | 62.80 | 839.82 | 840.62 | -0.80 |
| 53-95-12 | 867.45 | 8/29 | 31.62 | 835.83 | 836.27 | -0.44 |
| 53-96-1 | 887.64 | 8/29 | 59.60 | 828.04 | 827.87 | 0.17 |
| 58-93-3 | 830.06 | 8/31 | 12.00 | 818.06 | 817.06 | 1.00 |
| 58-95-11 | 831.62 | 8/31 | 2.37 | 829.25 | 827.71 | 1.54 |
| 58-95-18 | 788.61 | 8/31 | 8.75 | 779.86 | 778.81 | 1.05 |
| 58-95-19 | 834.33 | 8/31 | 16.85 | 817.48 | 817.71 | -0.23 |
| 58-95-20 | 818.81 | 8/31 | 17.63 | 801.18 | 802.21 | -1.03 |
| 58-96-11 | 848.23 | 8/31 | 31.87 | 816.36 | 816.31 | 0.05 |
| 58-00-12 | 860.62 | 8/31 | NM | NM | NM | NM |
| 58A-94-14 | 821.73 | 8/31 | 22.38 | 799.35 | 798.31 | 1.04 |
| MW90-2 | 880.78 | 8/29 | 23.60 | 857.18 | 856.36 | 0.82 |
| MW91-8 | 887.02 | 8/29 | 49.90 | 837.12 | 837.65 | -0.53 |
| MW91-9 | 915.67 | 8/29 | 22.48 | 893.19 | 894.58 | -1.39 |
| MWP-4 | 831.56 | 8/29 | 42.76 | 788.80 | 786.97 | 1.83 |
| MWP-5 | 852.37 | 8/29 | 95.74 | 756.63 | 756.45 | 0.18 |
| MWP-6 | 845.44 | 8/29 | 24.46 | 820.98 | 822.32 | -1.34 |
| MWP-8 | 872.34 | 8/29 | 26.64 | 845.70 | 846.76 | -1.06 |

# Table 3 (Cont'd)
# Groundwater Elevations in LBNL Monitoring Wells
## 4th Quarter FY 2012

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| **Support Services** | | | | | | |
| 31-97-17 | 746.15 | 8/30 | 20.71 | 725.44 | 725.81 | -0.37 |
| 31-97-18 | 747.80 | 8/30 | 22.41 | 725.39 | 725.86 | -0.47 |
| 31-98-17 | 693.47 | 8/30 | 11.58 | 681.89 | 682.67 | -0.78 |
| 61-92-12 | 843.90 | 8/29 | 85.79 | 758.11 | 757.00 | 1.11 |
| 69-97-8 | 975.75 | 8/29 | 41.43 | 934.32 | 934.01 | 0.31 |
| 69-97-21 | 1003.40 | 8/29 | 28.81 | 974.59 | 973.64 | 0.95 |
| 69A-92-22 | 977.06 | 8/29 | 24.02 | 953.04 | NM | NM |
| 75-96-20 | 979.07 | 8/29 | 12.13 | 966.94 | 967.53 | -0.59 |
| 75-97-5 | 963.73 | 8/29 | 52.07 | 911.66 | 911.51 | 0.15 |
| 75-97-6 | 967.89 | 8/29 | 54.92 | 912.97 | 909.17 | 3.80 |
| 75-97-7 | 970.70 | 8/29 | 56.26 | 914.44 | 913.14 | 1.30 |
| 75-98-14 | 977.94 | 8/29 | 21.28 | 956.66 | 964.47 | -7.81 |
| 75-98-15 | 977.97 | 8/29 | 11.24 | 966.73 | 966.25 | 0.48 |
| 75-99-6 | 979.94 | 8/29 | 10.08 | 969.86 | 970.20 | -0.34 |
| 75-99-7 | 977.92 | 8/29 | 11.86 | 966.06 | 966.40 | -0.34 |
| 75-99-8 | 979.34 | 8/29 | 10.18 | 969.16 | 970.35 | -1.19 |
| 75A-00-7 | 978.32 | 8/30 | 55.22 | 923.10 | 921.38 | 1.72 |
| 75B-92-24 | 956.90 | 8/29 | 39.47 | 917.43 | 919.12 | -1.69 |
| MW76-1 | 923.70 | 8/29 | 19.61 | 904.09 | 903.64 | 0.45 |
| 76-93-6 | 948.61 | 8/29 | 17.87 | 930.74 | 933.75 | -3.01 |
| 76-98-21 | 923.20 | 8/29 | 25.27 | 897.93 | 900.65 | -2.72 |
| 76-98-22 | 904.57 | 8/29 | 14.13 | 890.44 | 890.06 | 0.38 |
| 77-92-10 | 879.11 | 8/30 | 51.09 | 828.02 | 851.34 | -23.32 |

| Well Number | Top of Casing Elevation (feet) | Date | Depth to Water (feet) | Groundwater Elevation (feet msl) | | Change from Previous Quarter |
|---|---|---|---|---|---|---|
| | | | | Current Quarter | Previous Quarter | |
| 77-94-5 | 878.96 | 8/30 | 35.51 | 843.45 | 843.21 | 0.24 |
| 77-94-6 | 876.76 | 8/30 | 50.42 | 826.34 | 825.09 | 1.25 |
| 77-97-9 | 888.69 | 8/30 | 20.78 | 867.91 | 865.92 | 1.99 |
| 77-97-11 | 814.67 | 8/30 | 31.87 | 782.80 | 782.03 | 0.77 |
| 78-97-20 | 949.54 | 8/29 | 18.76 | 930.78 | 930.60 | 0.18 |
| MW91-1 | 877.98 | 8/30 | 23.83 | 854.15 | 854.15 | 0.00 |
| MW91-2 | 877.27 | 8/30 | 43.07 | 834.20 | 833.43 | 0.77 |
| MW91-4 | 978.55 | 8/30 | 112.04 | 866.51 | 900.88 | -34.37 |
| MW91-6 | 975.22 | 8/29 | 30.43 | 944.79 | 946.15 | -1.36 |
| MWP-9 | 818.83 | 8/30 | 33.35 | 785.48 | 786.34 | -0.86 |
| MWP-10 | 809.74 | 8/30 | 52.16 | 757.58 | 757.62 | -0.04 |
| **Outlying Areas** | | | | | | |
| 62-92-26 | 773.70 | 8/29 | 44.41 | 729.29 | 729.52 | -0.23 |
| 62-92-27 | 769.90 | 8/29 | 38.74 | 731.16 | 729.14 | 2.02 |
| 74-92-13 | 834.90 | 8/29 | 15.12 | 819.78 | 819.50 | 0.28 |
| 74-94-7 | 819.82 | 8/29 | 14.74 | 805.08 | 805.87 | -0.79 |
| 74-94-8 | 815.74 | 8/29 | 20.27 | 795.47 | NM | NM |
| 74-95-6 | 838.66 | 8/29 | 20.94 | 817.72 | 818.42 | -0.70 |
| 83-92-14 | 830.09 | 8/29 | 13.06 | 817.03 | 814.16 | 2.87 |
| 88-93-11A | 537.35 | 8/31 | NM | NM | NM | NM |
| CD-92-28 | 486.29 | 8/30 | 17.35 | 468.94 | 468.50 | 0.44 |
| MWP-2 | 710.33 | 8/30 | 53.55 | 656.78 | 655.49 | 1.29 |
| OW3-225 | 570.00 | 8/30 | 62.77 | 507.23 | 506.93 | 0.30 |

NM = Not measured

# Table 4
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| MW90-2 | 2 | 7/19/1990 | | 253.21 | 2637.82 | 60.0 | 880.78 | 2 | 25-35 | Orinda |
| MW90-3 | 1 | 7/23/1990 | | 1134.60 | 2460.40 | 60.0 | 820.60 | 2 | 48-58 | Colluvium |
| MW90-4 | 1 | 12/1/1990 | | 1103.90 | 2289.30 | 25.5 | 746.15 | 2 | 15-25 | Colluvium |
| MW90-5 | 1 | 12/1/1990 | | 1067.30 | 2293.70 | 25.0 | 745.75 | 4 | 15-25 | Colluvium |
| MW90-6 | 1 | 12/1/1990 | 9/17/2002 | 1046.70 | 2291.60 | 25.5 | 746.00 | 2 | 15-25 | Colluvium / Orinda |
| MW91-1 | 5 | 5/30/1991 | | -69.08 | 4050.61 | 55.0 | 877.98 | 2 | 44-54 | Orinda |
| MW91-2 | 5 | 5/31/1991 | | -65.83 | 3666.47 | 51.0 | 877.27 | 2 | 40-50 | Orinda |
| MW91-3 | 3 | 6/4/1991 | 9/21/2005 | 566.47 | 3807.95 | 63.5 | 981.69 | 2 | 53-63 | Orinda |
| MW91-4 | 3 | 12/2/1991 | | 476.81 | 3756.52 | 146.0 | 978.55 | 2 | 115-145 | Orinda |
| MW91-5 | 3 | 6/3/1991 | 9/21/2005 | 490.76 | 3815.48 | 40.5 | 978.28 | 2 | 30-40 | Orinda |
| MW91-6 | 3 | 11/17/1991 | | 382.38 | 3879.71 | 45.0 | 975.22 | 4 | 34-44 | Orinda |
| MW91-8 | 2 | 1/9/1992 | | 465.11 | 2662.97 | 76.5 | 887.02 | 2 | 65.5-75.5 | Moraga |
| MW91-9 | 10 | 12/9/1991 | | 246.20 | 2896.17 | 39.5 | 915.67 | 2 | 28.5-38.5 | Orinda |
| MWP-1 | 15 | 6/6/1991 | | 1177.15 | 1674.81 | 49.5 | 630.65 | 2 | 39-49 | Colluvium |
| MWP-2 | 8 | 12/6/1991 | | 219.37 | 1693.34 | 76.0 | 710.33 | 2 | 66-76 | Great Valley |
| MWP-4 | 14 | 6/19/1991 | | -36.08 | 2169.41 | 53.5 | 831.56 | 2 | 43-53 | Great Valley |
| MWP-5 | 14 | 6/25/1991 | | -262.06 | 2213.41 | 109.0 | 852.37 | 2 | 98-108 | Great Valley |
| MWP-6 | 14 | 6/9/1991 | | -256.79 | 2476.38 | 38.0 | 845.44 | 2 | 27-37 | Great Valley |
| MWP-7 | 14 | 6/10/1991 | | -206.48 | 2638.97 | 35.5 | 854.01 | 2 | 25-35 | Orinda / Great Valley |
| MWP-8 | 10 | 6/14/1991 | | -292.68 | 2876.29 | 35.0 | 872.34 | 2 | 25-35 | Orinda |
| MWP-9 | 5 | 6/18/1991 | | -196.07 | 3674.77 | 62.0 | 818.83 | 2 | 51-61 | Great Valley |
| MWP-10 | 5 | 6/8/1991 | | -246.37 | 3862.41 | 67.0 | 809.74 | 2 | 57-67 | Great Valley |
| MW1-220 | 2 | 9/24/1988 | 9/26/2005 | 578.73 | 2751.09 | 93.0 | 901.64 | 4 | 83-93 | Moraga |
| MW7-1 | 2 | 8/12/1988 | 8/19/2006 | 295.97 | 2681.13 | 18.0 | 884.13 | 4 | 8-18 | |
| MW62-B1A | 13 | 9/26/1987 | 9/20/2005 | -987.16 | 4129.20 | 38.0 | 757.70 | 2 | 23-33 | |
| MW62-B2 | 13 | 9/1/1986 | 9/7/2005 | -984.02 | 4127.06 | 34.15 | 756.60 | 2 | 24-34 | |
| MW76-1 | 4 | 8/9/1988 | | 137.13 | 3366.07 | 30.0 | 923.70 | 4 | 20-30 | |
| 51-92-2 | 9 | 3/19/1992 | | 660.30 | 2174.22 | 16.5 | 724.69 | 2 | 6.5-16.5 | Orinda |
| 88-92-4 | 6 | 3/18/1992 | 9/28/2005 | 931.05 | 1029.80 | 59.0 | 590.82 | 2 | 49-59 | Great Valley |
| 37-92-5 | 14 | 3/28/1992 | 12/9/2005 | -125.20 | 2668.23 | 105.0 | 881.56 | 2 | 85-105 | Great Valley |
| 37-92-6 | 14 | 2/23/1992 | 2/19/2007 | -245.60 | 2649.39 | 39.0 | 854.15 | 2 | 29-39 | Great Valley |
| 70-92-7 | 8 | 3/8/1992 | 9/12/2005 | 403.84 | 1708.83 | 26.0 | 762.93 | 2 | 20.8-25.8 | Great Valley |
| 46-92-9 | 7 | 3/1/1992 | | 612.25 | 2423.20 | 79.0 | 805.30 | 2 | 68.5-78.5 | Orinda |
| 77-92-10 | 5 | 3/3/1992 | | 19.05 | 4092.31 | 68.5 | 879.11 | 2 | 48-68 | Orinda |

# Table 4 (Cont'd)
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 26-92-11 | 10 | 3/9/1992 | | 165.02 | 3175.74 | 31.0 | 936.19 | 2 | 20.5-30.5 | Orinda |
| 61-92-12 | 5 | 2/28/1992 | | -356.90 | 3347.90 | 99.5 | 843.90 | 2 | 89-99 | Orinda |
| 74-92-13 | 11 | 4/15/1992 | | -355.80 | 5301.10 | 48.2 | 834.90 | 2 | 38.2-48.2 | San Pablo (?) |
| 83-92-14 | 11 | 2/22/1992 | | -354.70 | 5254.65 | 59.0 | 830.09 | 2 | 48-58 | San Pablo (?) |
| 46A-92-15 | 1 | 9/12/1992 | | 1187.20 | 2539.10 | 40.0 | 830.10 | 2 | 29-39 | Colluvium / Orinda |
| 7-92-16 | 2 | 8/28/1992 | | 181.20 | 2635.90 | 60.0 | 882.40 | 2 | 39-59 | Moraga |
| 6-92-17 | 14 | 8/27/1992 | | 40.50 | 2729.10 | 40.0 | 891.20 | 2 | 24-39 | Moraga/Orinda |
| 37-92-18 | 14 | 8/31/1992 | 9/25/2002 | -237.40 | 2723.80 | 30.0 | 860.30 | 2 | 19-29 | Orinda |
| 37-92-18A | 14 | 9/14/1992 | | -240.60 | 2730.30 | 70.0 | 861.20 | 2 | 49-69 | Great Valley |
| 7-92-19 | 2 | 8/29/1992 | | 299.60 | 2684.50 | 41.0 | 884.80 | 2 | 24-39 | Moraga/Orinda |
| 27-92-20 | 2 | 10/14/1992 | | 544.10 | 2661.00 | 85.0 | 881.10 | 2 | 63.5-83.5 | Moraga/Orinda |
| 53-92-21-130' | 2 | 10/1/1992 | | 358.33 | 2657.18 | 130.0 | 886.97 | 2 | 125-130 | Orinda |
| 53-92-21-147' | 2 | 10/1/1992 | | 357.94 | 2657.11 | 147.0 | 886.99 | 2 | 142-147 | Orinda |
| 53-92-21-167' | 2 | 10/1/1992 | | 358.07 | 2656.90 | 167.0 | 886.97 | 2 | 162-167 | Orinda |
| 53-92-21-193' | 2 | 10/1/1992 | | 358.35 | 2656.90 | 193.0 | 886.98 | 2 | 188-193 | Orinda |
| 69A-92-22 | 3 | 1/22/1993 | | 320.97 | 3951.1 | 65.0 | 977.06 | 2 | 44-64 | Orinda |
| 75-92-23 | 3 | 9/2/1992 | 9/26/2005 | 361.19 | 3826.89 | 50.0 | 972.10 | 6 | 29-49 | Colluvium |
| 75B-92-24 | 3 | 9/1/1992 | | 218.40 | 3692.30 | 57.5 | 956.90 | 2 | 37-57 | Orinda |
| 76-92-25 | 4 | 9/13/1992 | 9/18/2002 | 181.90 | 3293.20 | 39.0 | 928.70 | 2 | 23.5-38 | Orinda |
| 62-92-26 | 13 | 9/3/1992 | | -1157.60 | 4402.30 | 58.0 | 773.70 | 2 | 47-57 | Great Valley |
| 62-92-27 | 13 | 9/4/1992 | | -1112.00 | 4157.10 | 67.0 | 769.90 | 2 | 56-66 | Great Valley |
| CD-92-28 | OS | 10/26/1992 | | -1240.92 | 2435.51 | 55.0 | 486.29 | 2 | 45-55 | Great Valley |
| 71-93-1 | 1 | 9/9/1993 | 9/19/2005 | 1458.58 | 2562.60 | 64.0 | 872.39 | 2 | 43-63 | Moraga/Orinda |
| 71-93-2 | 1 | 9/8/1993 | | 1352.87 | 2441.60 | 60.0 | 844.39 | 2 | 39-59 | Moraga |
| 58-93-3 | 7 | 5/17/1994 | | 331.23 | 2515.06 | 24.0 | 830.06 | 2 | 14-24 | Colluvium/Moraga |
| 6-93-4 | 2 | 9/10/1993 | | 229.92 | 2599.52 | 50.5 | 881.60 | 2 | 35-50 | Artificial Fill/Moraga |
| 37-93-5 | 14 | 8/26/1993 | 9/18/2002 | -230.96 | 2573.02 | 49.5 | 850.17 | 2 | 39-49 | Great Valley |
| 76-93-6 | 4 | 8/25/1993 | | 252.62 | 3600.80 | 44.5 | 948.61 | 2 | 34-44 | Orinda |
| 76-93-7 | 4 | 8/28/1993 | 9/27/2005 | 141.90 | 3299.84 | 40.0 | 924.85 | 2 | 24-39 | Orinda |
| 77-93-8 | 5 | 8/23/1993 | 9/19/2005 | -44.32 | 3554.55 | 26.5 | 879.01 | 2 | 16-26 | Art Fill/Col/Orinda |
| 53-93-9 | 2 | 9/9/1993 | | 427.92 | 2732.45 | 89.0 | 900.68 | 2 | 68-88 | Moraga/Orinda |
| 5-93-10 | 10 | 9/10/1993 | | 179.51 | 2873.28 | 37.5 | 914.90 | 2 | 22-37 | Moraga/Orinda |
| 88-93-11A | 6 | 3/2/1994 | | 956.00 | 864.20 | 65.85 | 537.35 | 2 | 55-65 | Great Valley |
| 46-93-12 | 7 | 9/7/1993 | | 673.46 | 2530.88 | 14.0 | 807.57 | 2 | 8.5-13.5 | Moraga/Orinda |

# Table 4 (Cont'd)
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 88-93-13 | 6 | 11/1/1993 | 2/19/2007 | 671.81 | 980.85 | 139.0 | 581.50 | 2 | 118.5-138.5 | Great Valley |
| 52-93-14 | 10 | 12/9/1993 | | 276.79 | 2842.59 | 40.0 | 900.03 | 2 | 24.5-39.5 | Moraga/Orinda |
| 25-93-15 | 10 | 11/8/1993 | 9/14/2005 | -46.77 | 3057.62 | 75.5 | 936.44 | 2 | 55-75 | Moraga/Orinda |
| 53-93-16-42' | 2 | 1/29/1994 | | 356.87 | 2674.05 | 42.3 | 887.45 | 2 | 31.5-41.5 | Moraga |
| 53-93-16-69' | 2 | 1/29/1994 | | 356.74 | 2673.78 | 69.3 | 887.40 | 4 | 58.5-68.5 | Moraga |
| 53-93-17 | 2 | 11/2/1993 | | 458.40 | 2707.41 | 76.0 | 902.62 | 2 | 60.5-75.5 | Moraga |
| 51B-93-18A | 9 | 5/19/1994 | | 1070.65 | 2174.99 | 43.9 | 709.95 | 2 | 23.5-43.5 | Orinda |
| 46A-93-19 | 1 | 1/15/1994 | 9/28/2005 | 1024.48 | 2439.82 | 65.0 | 809.77 | 2 | 44-64 | Orinda |
| 71-94-1 | 1 | 5/21/1994 | 9/16/2005 | 1381.17 | 2358.57 | 48.9 | 845.84 | 2 | 38.5-48.5 | Moraga |
| 7-94-3 | 2 | 5/13/1994 | | 267 | 2705.26 | 43.0 | 882.88 | 2 | 22.5-42.5 | Orinda |
| 77-94-5 | 5 | 5/9/1994 | | -53.24 | 3604.82 | 63.3 | 878.96 | 2 | 43.5-63.5 | Orinda |
| 77-94-6 | 5 | 5/5/1994 | | -67.94 | 3722.2 | 61.4 | 876.76 | 2 | 40.5-60.5 | Orinda |
| 74-94-7 | 11 | 4/28/1994 | | -508.66 | 5233.24 | 44.2 | 819.82 | 2 | 33.5-43.5 | San Pablo (?) |
| 74-94-8 | 11 | 5/10/1994 | | -594.5 | 5343.25 | 30.4 | 815.74 | 2 | 20-30 | Col/Alluv/San Pablo (?) |
| 37-94-9 | 14 | 5/12/1994 | 9/9/2005 | -228.55 | 2682.42 | 44.8 | 856.51 | 2 | 24-44 | Orinda/Great Valley |
| 52-94-10 | 10 | 10/17/1994 | 9/20/2005 | 465.38 | 2859.99 | 68.5 | 906.04 | 2 | 47-67 | Moraga/Orinda |
| 51-94-11 | 1 | 10/18/1994 | 9/16/2005 | 1194.70 | 2263.64 | 29.0 | 756.83 | 4 | 8-18 | Moraga/Orinda |
| 25-94-12 | 10 | 10/14/1994 | | 24.60 | 3021.73 | 46.0 | 937.59 | 2 | 26-46 | Moraga/Orinda |
| 16-94-13 | 10 | 10/11/1994 | | 253.46 | 2762.79 | 43.0 | 892.50 | 2 | 22-42 | Orinda |
| 58A-94-14 | 7 | 10/4/1994 | | 424.85 | 2457.65 | 40.7 | 821.73 | 2 | 21-41 | Moraga/Orinda |
| 51-94-15 | 7 | 11/7/1994 | | 625.97 | 2264.47 | 45.2 | 771.17 | 4 | 30-40 | Orinda |
| 46-94-16 | 9 | 11/7/1994 | 9/19/2002 | 906.27 | 2300.02 | 37.5 | 756.16 | 2 | | Orinda |
| 71-95-1 | 1 | 4/11/1995 | 9/17/2002 | 1479.30 | 2335.13 | 48.3 | 846.94 | 2 | | Moraga |
| 52-95-2A | 10 | 8/29/1995 | | 372.05 | 2864.37 | 45.0 | 910.27 | 2 | 34.5-44.5 | Moraga |
| 52-95-2B | 10 | 8/29/1995 | | 372.19 | 2864.56 | 110.0 | 910.23 | 2 | 65-110 | Moraga/Orinda |
| 16-95-3 | 10 | 4/18/1995 | | 45.73 | 2787.74 | 38.3 | 901.52 | 2 | 23-30 | Moraga/Orinda |
| 25A-95-4 | 10 | 4/20/1995 | 9/19/2005 | 219.82 | 3033.97 | 49.5 | 938.35 | 2 | 28-48 | Orinda |
| 25-95-5 | 10 | 8/22/1995 | | -154.47 | 3091.60 | 94.8 | 932.88 | 2 | 69-94 | Moraga/Orinda |
| 74-95-6 | 11 | 7/14/1995 | | -354.67 | 5334.83 | 49.5 | 838.66 | 4 | 35-50 | San Pablo (?) |
| 83-95-7 | 11 | 7/14/1995 | 9/27/2005 | -285.14 | 5246.70 | 47.0 | 840.75 | 4 | 36-46 | San Pablo (?) |
| 71-95-8 | 1 | 4/13/1995 | 9/16/2005 | 1298.86 | 2549.05 | 49.0 | 839.09 | 2 | 29-49 | Orinda |
| 71-95-9 | 1 | 4/14/1995 | | 1249.27 | 2662.35 | 38.4 | 854.18 | 2 | 23.5-38.5 | Artificial Fill/Colluvium |
| 58-95-11 | 7 | 5/15/1995 | | 296.22 | 2512.06 | 28.9 | 831.62 | 4 | 8.5-28.5 | Moraga/Orinda |
| 53-95-12 | 2 | 7/19/1995 | | 360.87 | 2616.60 | 51.2 | 867.45 | 1 | 35-50 | Moraga/Orinda |

# Table 4 (Cont'd)
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 52B-95-13 | 10 | 7/21/1995 | | 282.76 | 2732.91 | 27.9 | 887.40 | 1 | 16-31 | Moraga/Orinda |
| 6-95-14 | 2 | 8/15/1995 | | 184.75 | 2631.08 | 67.8 | 881.43 | 4 | 22-67 | Moraga/Orinda |
| 25A-95-15 | 10 | 8/3/1995 | 9/27/2012 | 148.22 | 2960.59 | 47.5 | 931.68 | 2 | 29-49 | Orinda |
| 62-95-16 | 13 | 8/4/1995 | 9/20/2005 | -972.38 | 4088.45 | 34.1 | 741.06 | 4 | 18.5-33.5 | Great Valley |
| 51-95-17 | 9 | 2/12/1996 | 11/18/2002 | 913.86 | 2272.51 | 40.2 | 744.67 | 2 | 22-37 | Orinda |
| 58-95-18 | 7 | 8/9/1995 | | 471.88 | 2401.55 | 17.8 | 788.61 | 4 | 7.5-17.5 | Colluvium/Moraga/Orinda |
| 58-95-19 | 7 | 9/13/1995 | | 395.42 | 2562.55 | 30.5 | 834.33 | 1 | 20.5-30.5 | Orinda |
| 58-95-20 | 7 | 8/8/1995 | | 494.26 | 2517.86 | 34.4 | 818.81 | 2 | 14.5-34.5 | Moraga/Orinda |
| 7B-95-21 | 2 | 8/11/1995 | | 283.95 | 2679.19 | 37.6 | 883.63 | 4 | 13.5-38.5 | Moraga/Orinda |
| 7-95-22 | 2 | 8/10/1995 | | 278.23 | 2659.08 | 37.6 | 882.16 | 4 | 13.5-38.5 | Moraga |
| 7-95-23 | 2 | 12/22/1995 | | 285.15 | 2659.67 | 53.1 | 882.37 | 4 | 43-53 | Moraga/Orinda |
| 7B-95-24 | 2 | 12/18/1995 | | 318.75 | 2655.51 | 72.8 | 883.88 | 4 | 53-73 | Moraga/Orinda |
| 7B-95-25 | 2 | 12/13/1995 | | 274.27 | 2634.08 | 44.3 | 882.03 | 2 | 24-44 | Moraga |
| 25-95-26 | 10 | 4/29/1996 | 6/4/2011 | -54.01 | 3139.20 | 57.6 | 935.81 | 2 | 38-58 | Moraga |
| 25-95-27 | 10 | 12/20/1995 | | -327.09 | 3045.68 | 34.7 | 859.83 | 2 | 19.5-34.5 | Orinda |
| 53-96-1 (MW91-7) | 2 | 4/19/1996 | | 344.37 | 2682.54 | 81.4 | 887.64 | 4 | 67-82 | Moraga/Orinda |
| 4-96-2 | 10 | 4/17/1996 | 9/13/2005 | -84.00 | 2889.05 | 64.3 | 912.64 | 2 | 45-65 | Orinda |
| 51-96-3 | 9 | 4/23/1996 | | 546.48 | 2240.66 | 27.5 | 766.44 | 4 | | Colluvium |
| 88-96-4 | 6 | 4/26/1996 | 9/6/2005 | 968.53 | 1105.35 | 66.0 | 594.25 | 2 | 46.5-66.5 | Great Valley |
| 70A-96-5 | 8 | 4/15/1996 | 11/13/2002 | 370.50 | 1757.93 | 29.2 | 762.68 | 4 | 15-30 | Great Valley |
| 70A-96-6 | 8 | 4/16/1996 | 11/13/2002 | 334.24 | 1764.19 | 39.6 | 762.67 | 4 | 20-40 | Great Valley |
| 46-96-10 | 7 | 11/4/1996 | | 886.68 | 2397.81 | 36.8 | 790.35 | 2 | 22-37 | Moraga |
| 58-96-11 | 2 | 6/11/1996 | | 350.19 | 2588.64 | 42.5 | 848.23 | 2 | 15-40 | Moraga/Orinda |
| 58-96-12 | 7 | 12/4/1996 | 9/16/2002 | 295.46 | 2508.67 | 7.0 | 831.84 | 4 | 2-7 | Fill/Moraga |
| 70A-96-13 | 8 | 9/24/1996 | 9/7/2005 | 292.97 | 1511.04 | 145.1 | 711.87 | 2 | 111-141 | Great Valley |
| 70A-96-14 | 8 | 9/24/1996 | 9/8/2005 | 392.41 | 1498.87 | 145.1 | 716.64 | 2 | 112-142 | Great Valley |
| 51-96-15 | 9 | 9/26/1996 | | 1004.38 | 2109.8 | 40.0 | 709.83 | 2 | 20-40 | Orinda |
| 51-96-16 | 9 | 9/25/1996 | | 1054.3 | 2095.66 | 29.6 | 709.72 | 2 | 10-30 | Artificial Fill |
| 51-96-17 | 9 | 9/25/1996 | | 1054.56 | 2093.45 | 54.3 | 709.64 | 2 | 35-55 | Orinda |
| 51-96-18 | 9 | 9/27/1996 | | 1126.37 | 2170.13 | 15.3 | 710.76 | 2 | 6-16 | Orinda |
| 51-96-19 | 9 | 9/27/1996 | 9/12/2005 | 1066.52 | 2184.14 | 13.5 | 709.40 | 2 | 5-15 | Artificial Fill |
| 75-96-20 | 3 | 2/13/1997 | | 487.72 | 3762.28 | 50.0 | 979.07 | 2 | 24.5-49.5 | Orinda ? |
| 64-97-1 | 9 | 5/20/1997 | | 1194.82 | 2167.79 | 25.0 | 709.94 | 2 | 4.5-24.5 | Orinda |
| 64-97-2 | 9 | 5/20/1997 | | 1142.40 | 2085.16 | 30.0 | 709.65 | 2 | 9-29 | Orinda |

# Table 4 (Cont'd)
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 51-97-3 | 9 | 6/3/1997 | | 1102.96 | 1902.48 | 75.0 | 709.81 | 2 | 54.5-74.5 | Artificial Fill |
| 51-97-4 | 9 | 6/25/1997 | 9/15/2005 | 1101.16 | 1902.01 | 105.0 | 709.66 | 2 | 89-104 | Orinda |
| 75-97-5 | 3 | 7/19/1997 | | 232.73 | 3768.01 | 70.0 | 963.73 | 2 | 39-69 | Orinda |
| 75-97-6 | 3 | 5/22/1997 | | 262.75 | 3819.22 | 74.0 | 967.89 | 4 | 53.5-73.5 | Orinda |
| 75-97-7 | 3 | 6/9/1997 | | 253.44 | 3870.26 | 79.0 | 970.70 | 2 | 58.5-78.5 | Orinda |
| 69-97-8 | 3 | 9/13/1997 | | 255.05 | 3921.16 | 70.0 | 975.75 | 2.25 | 50-70 | Colluvium/Orinda |
| 77-97-9 | 5 | 6/4/1997 | | 76.53 | 3753.30 | 49.5 | 888.69 | 2 | 19-49 | Colluvium/Orinda |
| 77-97-10 | 5 | 5/21/1997 | 9/18/2002 | -91.93 | 3871.35 | 52.5 | 877.73 | 2 | 32-52 | Colluvium/Orinda |
| 77-97-11 | 5 | 6/24/1997 | | -205.88 | 3749.71 | 43.0 | 814.67 | 2 | 22.5-42.5 | Colluvium/Orinda |
| 51-97-12 | 9 | 9/2/1997 | | 1109.18 | 1904.55 | 49.6 | 709.37 | 2 | 29.5-49.5 | Artificial Fill |
| 51-97-13 | 9 | 9/11/1997 | | 1196.36 | 1901.98 | 68.5 | 709.48 | 2 | 48-68 | Artificial Fill |
| 51-97-14 | 9 | 9/10/1997 | | 1020.26 | 1883.14 | 64.3 | 708.89 | 2 | 44-64 | Artificial Fill |
| 51-97-15 | 9 | 9/12/1997 | | 1155.18 | 1803.16 | 109.0 | 706.11 | 2 | 88-108 | Artificial Fill |
| 51-97-16 | 9 | 9/9/1997 | 3/17/2005 | 875.26 | 1917.64 | 35.1 | 709.58 | 2 | 14.5-34.5 | Art. Fill/Great Valley |
| 31-97-17 | 5 | 9/5/1997 | | -459.67 | 3738.68 | 31.8 | 746.15 | 2 | 21.5-31.5 | Colluvium |
| 31-97-18 | 5 | 9/4/1997 | | -480.52 | 3779.68 | 59.9 | 747.80 | 2 | 39.5-59.5 | Colluvium/Great Valley |
| 78-97-20 | 4 | 10/10/1997 | | 298.21 | 3429.47 | 34.0 | 949.54 | 2 | 14-34 | Orinda |
| 69-97-21 | 3 | 9/23/1997 | | 471.24 | 3985.45 | 42.0 | 1003.4 | 2 | 18.5-38.5 | Orinda |
| 76-97-22 | 4 | 10/17/1997 | 9/25/2002 | 165.14 | 3545.94 | 45.0 | 937.91 | 2 | 25-45 | Colluvium/Orinda |
| 71-97-23 | 1 | 9/8/1997 | 9/15/2005 | 1221.62 | 2469.83 | 60.0 | 844.45 | 2 | 39.5-59.5 | Artificial Fill/Orinda |
| 25A-98-1 | 10 | 4/23/1998 | 9/28/2012 | 99.79 | 2986.86 | 50.0 | 936.88 | 2 | 30-50 | Orinda |
| 56-98-2 | 9 | 4/24/1998 | | 1264.86 | 1887.99 | 55.0 | 709.76 | 2 | 35-55 | Artificial Fill/Orinda |
| 25A-98-3 | 10 | 4/21/1998 | 9/27/2012 | 175.76 | 3027.87 | 45.0 | 940.14 | 2 | 25-45 | Orinda |
| 64-98-4 | 9 | 4/20/1998 | 3/15/2000 | 1133.05 | 2172.54 | 15.0 | 711.12 | 2 | 5-15 | Orinda |
| 51-98-5 | 9 | 5/8/1998 | 8/10/2006 | 951.70 | 1922.10 | 50.0 | 709.63 | 2 | 30-50 | Colluvium |
| 25A-98-6 | 10 | 10/2/1998 | 8/10/2006 | 134.29 | 3091.47 | 40.0 | 939.90 | 2 | 20.5-40.5 | Moraga/Orinda |
| 25A-98-7 | 10 | 9/1/1998 | 9/27/2012 | 140.51 | 3001.67 | 35.0 | 942.71 | 2 | 19-34 | Orinda |
| 52A-98-8A | 10 | 9/16/1998 | | 339.79 | 2883.49 | 33.5 | 913.56 | 2 | 23-33 | Colluvium |
| 52A-98-8B | 10 | 9/17/1998 | | 339.86 | 2883.73 | 80.0 | 913.51 | 2 | 60-80 | Moraga |
| 52-98-9 | 10 | 9/11/1998 | | 377.44 | 2864.09 | 80.0 | 910.86 | 2 | 60-80 | Moraga |
| 25-98-10 | 10 | 9/12/1998 | | -105.23 | 3087.97 | 90.0 | 934.42 | 2 | 70-90 | Moraga/Orinda |
| 46A-98-11 | 1 | 11/3/1998 | 11/16/2002 | 1049.68 | 2422.42 | 74.0 | 813.66 | 2 | 54-74 | Orinda |
| 71B-98-13 | 1 | 9/23/1998 | | 1202.90 | 2583.97 | 30.0 | 832.33 | 2 | 15-30 | Artificial Fill/Orinda |
| 75-98-14 | 3 | 9/17/1998 | | 436.14 | 3711.28 | 35.0 | 977.94 | 2 | 20-35 | Orinda |

# Table 4 (Cont'd)
# LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 75-98-15 | 3 | 9/21/1998 | | 479.95 | 3640.78 | 35.0 | 977.97 | 2 | 20-35 | Orinda |
| 75-98-16 | 3 | 10/12/1998 | 9/16/2002 | 603.26 | 3451.27 | 90.0 | 1074.19 | 2 | 69-89 | Orinda |
| 31-98-17 | 5 | 9/14/1998 | | -719.39 | 3709.06 | 65.0 | 693.47 | 2 | 50-60 | Colluvium |
| 63-98-18 | 15 | 9/15/1998 | | 1352.18 | 1819.94 | 35.0 | 709.99 | 2 | 20-35 | Artificial Fill |
| 64-98-19 | 9 | 2/1/1999 | 3/15/2000 | 1130.56 | 2178.51 | 26.0 | 711.11 | 2 | 21-26 | Orinda |
| 64-98-20 | 9 | 4/30/1999 | 8/2000 | 1133.29 | 2180.09 | 14.5 | 710.98 | 2 | 9.5-14.5 | Orinda |
| 76-98-21 | 4 | 9/25/1998 | | 137.79 | 3352.42 | 35.0 | 923.20 | 2 | 15-35 | Orinda |
| 76-98-22 | 4 | 12/18/1998 | | 72.85 | 3375.83 | 40.0 | 904.57 | 2 | 19-39 | Orinda |
| 51-99-1 | 9 | 5/1/1999 | | 679.33 | 1978.83 | 35.0 | 724.44 | 2 | 25-35 | Great Valley |
| 25A-99-2 | 10 | 5/1/1999 | 9/27/2012 | 137.70 | 3037.07 | 30.0 | 940.45 | 2 | 20-30 | Moraga/Orinda |
| 71B-99-3 | 1 | 7/6/1999 | 10/2000 | 1179.35 | 2637.78 | 34.5 | 843.21 | 2 | 20-30 | Orinda |
| 71B-99-3R | 1 | 4/5/2001 | | 1178.62 | 2629.15 | 34.5 | 840.13 | 4 | 24-34 | Orinda |
| 75-99-4 | 3 | 7/20/1999 | 8/10/2006 | 462.42 | 3665.77 | 38.0 | 977.90 | 2 | 19.5-34.5 | Orinda |
| 25A-99-5 | 10 | 7/19/1999 | 9/23/2005 | 166.42 | 3062.06 | 47.5 | 940.16 | 2 | 24-44 | Orinda |
| 75-99-6 | 3 | 11/19/1999 | | 519.69 | 3687.82 | 27.0 | 979.94 | 2 | 15.5-25.5 | Orinda |
| 75-99-7 | 3 | 11/19/1999 | | 463.30 | 3749.60 | 26.0 | 977.92 | 2 | 14-24 | Artificial Fill/Orinda |
| 75-99-8 | 3 | 12/6/1999 | | 502.05 | 3669.34 | 32.0 | 979.34 | 2 | 20-30 | Orinda |
| 51-00-1 | 9 | 2/5/2000 | 9/7/2005 | 690.86 | 2162.65 | 25.0 | 725.28 | 2 | 20-25 | Orinda |
| 71B-00-2 | 1 | 3/20/2000 | 8/10/2006 | 1197.37 | 2587.90 | 60.0 | 832.41 | 2 | 45-60 | Orinda |
| 58A-00-3 | 7 | 5/17/2000 | 8/10/2006 | 415.38 | 2454.06 | 85.0 | 822.54 | 2 | 69-84 | Orinda |
| 7-00-4 | 2 | 5/17/2000 | | 294.69 | 2658.33 | 100.0 | 883.18 | 2 | 84-99 | Orinda |
| 25A-00-5 | 10 | 5/17/2000 | 8/10/2006 | 139.64 | 2965.28 | 85.0 | 933.12 | 2 | 68-83 | Orinda |
| 52A-00-6 | 10 | 5/17/2000 | 8/11/2006 | 321.30 | 2911.46 | 120.0 | 917.34 | 2 | 105-120 | Orinda |
| 75A-00-7 | 3 | 1/5/2001 | | 469.39 | 3758.40 | 147.5 | 978.32 | 2 | 115-145 | Orinda |
| 51-00-8 | 9 | 9/7/2000 | | 1095.81 | 1806.71 | 40.0 | 682.11 | 2 | 20-40 | Artificial Fill/Orinda |
| 51-00-9 | 9 | 10/2/2000 | | 1008.33 | 2177.85 | 10.0 | 709.35 | 2 | 5-10 | Orinda |
| 51-00-10 | 9 | 10/3/2000 | | 988.59 | 2177.76 | 10.0 | 709.56 | 2 | 5-10 | Orinda |
| 69A-00-11 | 3 | 9/8/2000 | 9/19/2005 | 321.66 | 3943.67 | 40.0 | 977.05 | 2 | 19.5-39.5 | Orinda |
| 58-00-12 | 7 | 10/5/2000 | | 326.88 | 2607.24 | 59.5 | 860.62 | 2 | 38-59 | Orinda/Mixed Unit |
| 51L-01-1A | 9 | 7/23/2001 | | 864.13 | 1878.36 | 9.0 | 710.04 | 2 | 4-9 | Artificial Fill/Colluvium |
| 51L-01-1B | 9 | 7/23/2001 | | 863.88 | 1878.37 | 30.0 | 710.04 | 2 | 15-30 | Great Valley |
| 51L-01-3 | 9 | 12/20/2001 | 9/2006 | 896.88 | 1893.03 | 50.0 | 709.54 | 2 | 34.5-49.5 | Great Valley |
| 51L-01-4 | 9 | 7/23/2001 | 9/2006 | 915.93 | 1884.49 | 45.0 | 709.87 | 2 | 30-45 | Great Valley |
| 51L-01-5A | 9 | 7/16/2001 | | 936.13 | 1908.95 | 33.0 | 709.96 | 2 | 18-33 | Artificial Fill/Colluvium |

## Table 4 (Cont'd)
## LBNL Monitoring Well Construction Details

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Total Depth (ft) | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Geologic Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| 51L-01-5B | 9 | 7/16/2001 | | 936.09 | 1908.62 | 65.5 | 709.94 | 2 | 48.5-63.5 | Great Valley |
| 51L-01-6 | 9 | 7/18/2001 | 6/9/2011 | 911.02 | 1931.44 | 30.0 | 709.80 | 2 | 20-30 | Artificial Fill/Colluvium |
| 51L-01-6R | 9 | 2/17/2012 | | 906.50 | 1915.84 | | 709.18 | 2 | 20-30 | Artificial Fill/Colluvium |
| 51L-01-7 | 9 | 7/17/2001 | 6/9/2011 | 906.47 | 1931.41 | 75.0 | 709.76 | 2 | 60-75 | Great Valley |
| 51L-01-7R | 9 | 2/23/2012 | | 901.39 | 1917.90 | | 709.18 | 2 | 60-75 | Great Valley |
| 51A-01-10A | 9 | 10/3/2001 | 9/14/2005 | 814.28 | 1900.05 | 30.5 | 709.78 | 2 | 15-30 | Great Valley |
| 51A-01-11 | 9 | 9/28/2001 | 1/3/2012 | 841.85 | 1941.48 | 45.5 | 709.74 | 2 | 30-45 | Great Valley |
| 51A-01-11R | 9 | 2/16/2012 | | 845.77 | 1942.65 | | 709.49 | 2 | 30-45 | Great Valley |
| 51L-02-1 | 9 | 1/11/2002 | 8/25/2006 | 921.03 | 1871.48 | 30.5 | 709.74 | 2 | 20-30 | Artificial Fill/Colluvium/Great Valley |

Artificial Fill: soils placed during grading activities
Colluvium: Quaternary soil/colluvium
Alluvium: Quaternary alluvium
San Pablo (?): shallow marine sandstones tentatively assigned to the San Pablo Group
Orinda: Orinda Formation sediments
Great Valley: Upper Cretaceous sedimentary rocks
Moraga: Moraga Formation volcanics

# Table 5-1
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 46A-92-15 Oct-92 | (D) ^ | Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Aug-94 | Dec-94* | Mar-95* | Jun-95* | Aug-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 1.2 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| sec-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| ter-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Ethylbenzene | 300 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Isopropylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| p-Isopropyltoluene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| n-Propylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Toluene | 150 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Xylenes, total | 1750 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.2 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <10 | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <5 | <2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.1 | 0.7 | 0.96 | <30 | <30 | <30 | <30 | <30 | 0.6 |
| Chloroform | 80 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <5 | 4.8 | <5 | 1.8 | 2.0 | 4.5 | 1.8 | 2.8 | 1.6 | 1.2 | 1.6 | 1.4 | 1.7 | 1.7 | 1.4 | 1.5 | <1 | <1 | 1.0 |
| 1,2-Dichloroethane | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | 1.7 | 3.8 | 2.2 | 0.82 | 3.4 | 5.7 | 17.4 | 11.8 | 10.1 | 12.2 | 13 |
| trans-1,2-Dichloroethene | 10 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.98 | 0.73 | 1.1 | 1.6 | 4.5 | 2.3 | 3.2 | 2.8 | 2.8 |
| 1,2-Dichloropropane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | 10.8 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | 1.8 | 1.5 | 1.5 | <1 | <0.5 |
| Freon-11 | 150 | <2 | <2 | <1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| Freon-113 | 1200 | <1 | | <0.6 | <1 | <1 | <1 | <1 | <1 | 5.9 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 19.3 | 21 | 11.7 | 5.4 | 2.4 | 5.4 | 8.2 | 10.9 | 11.3 | 3.1 | 7.8 | 3.3 | 9.2 | 9.6 | 15.9 | 10.1 | 7.6 | 10.1 | 12 |
| Total Halogenated Hydrocarbons | | 19 | 26 | 12 | 7.2 | 4.4 | 9.9 | 10 | 14 | 21 | 19 | 14 | 7.0 | 16 | 19 | 41 | 27 | 22 | 25 | 29 |
| Total Concentration of VOCs | | 19 | 26 | 12 | 7.2 | 4.4 | 9.9 | 10 | 14 | 21 | 19 | 14 | 7.0 | 18 | 19 | 41 | 27 | 22 | 25 | 29 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 46A-92-15 (Cont'd) Mar-97 | Jun-97 | Aug-97 | Nov-97 | Mar-98 | May-98 | Nov-98 | Feb-99 | May-99 | Jun-99 | Feb-00 | Aug-00 | Jan-01 | Aug-01 | Feb-02 | Aug-02 | Jan-03 | Jul-03 | Feb-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 1.2 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.1 | 7.4 | 5.7 | 8.3 | 10.7 | 1.2 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 1.1 | 1.4 | 1.4 | 1.7 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 1.2 | 1.0 | <1 | 1.0 | 1.1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 3.8 | 7.2 | 6.3 | 11 | 9.5 | <1 | 1.2 | 3.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 10 | 16 | 13 | 21 | 21 | 1.2 | 4.6 | 6.7 | | | | | 1.4 | 1.2 | 1.0 | | 1.0 | 1.1 | 1.3 |
| Total Concentration of VOCs | | 10 | 16 | 13 | 21 | 21 | 2.4 | 4.6 | 6.7 | | | | | 1.4 | 1.2 | 1.0 | | 1.0 | 1.1 | 1.3 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 46A-92-15 (Cont'd) | | | | | | | | | | 51-92-2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-04 | Feb-05 | Aug-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jul-10 | Aug-11 | Aug-12 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Oct-93 | Feb-94 | Aug-94 | Feb-95* | Sep-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <150 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-92-2 (Cont'd) | | | | | | | | | | | | | | | | 51-96-15 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-96 | Aug-96 | Mar-97 | Aug-97 | May-98* | May-99 | Feb-00 | Aug-00 | Jul-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Aug-10* | Aug-11 | Nov-11 | Jan-97 | (D)* | Apr-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| n-Butylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| sec-Butylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| ter-Butylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| Ethylbenzene | 300 | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Isopropylbenzene | | <1 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <9 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | | | | <5 | <9 | <5 |
| Naphthalene | | <1 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <9 | <2 |
| n-Propylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <9 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <9 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <1 | <9 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <1 | <9 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <9 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 4.4 | <9 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 383 | 400 | 35.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 49.5 | 46 | 6.3 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <0.5 | | | <2 | <9 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | | | <1 | <9 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <9 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | 437 | 446 | 43 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | 437 | 446 | 43 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-15 (Cont'd) Aug-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Feb-03 | Aug-03* | Feb-04 | Jul-04 | Feb-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.3 | <1 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | 1.0 | <0.5 | <1 | 1.7 | 3.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 9.7 | 1.1 | 3.2 | 1.2 | 3.7 | 3.9 | <1 | 3.0 | 1.3 | 1.4 | <1 | 2.2 | <1 | 1.4 | <1 | 1.6 | 5.9 | 2.1 | 3.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.5 | 5.6 | 4.9 | 10 | 2.5 | 2.5 | 11.8 | 3.8 | 7.0 | 2.4 | 9.1 | 5.0 | 9.3 | 4.2 | 7.1 | 3.7 | 4.5 | 6.5 | 11.2 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 13 | 6.7 | 8.1 | 13 | 6.2 | 6.4 | 14 | 6.8 | 8.3 | 3.8 | 9.1 | 7.2 | 11 | 5.6 | 8.1 | 5.3 | 10 | 10 | 18 |
| Total Concentration of VOCs | | 13 | 6.7 | 8.1 | 13 | 6.2 | 6.4 | 14 | 6.8 | 8.3 | 3.8 | 9.1 | 7.2 | 11 | 5.6 | 8.1 | 5.3 | 10 | 10 | 18 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-96-15 (Cont'd) | | | | | | | | | | | | | | 51-96-16 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Feb-06 | Jul-06 | Jan-07 | Jul-07 | Feb-08 | Aug-08 | Aug-09 | Feb-10 | Aug-10* | Mar-11 | Aug-11 | Feb-12 | Aug-12 | Jan-97 | (D)* | Jun-97 ^ | Jul-97(G) | Aug-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | <5 | <9 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Chloroethane | | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <9 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <9 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 21.8 | 20 | <1 | 14.9 | 13.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 15.7 | 16 | <1 | 8.2 | 8.3 |
| cis-1,2-Dichloroethene | 6 | 3.5 | <1 | <1 | <1 | <1 | 2.9 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | 455 | 380 | <1 | 258 | 228 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 51.1 | 39 | <1 | 34.2 | 30.3 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.9 | 3.8 | 3.0 | 2.0 | 2.4 | 5.9 | 1.9 | 1.6 | <1 | 2.6 | 5.4 | 1.7 | 1.6 | 1.2 | 26.9 | 24 | <1 | 13.7 | 14.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Trichloroethene | 5 | 9.0 | 6.6 | 5.2 | 3.4 | 3.9 | 6.6 | 3.3 | 3.0 | 2.6 | 3.9 | 1.8 | 1.6 | 2.5 | 2.0 | 194 | 160 | <1 | 101 | 87.6 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | | | | <0.5 | | | | | <2 | <9 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | <1 | <9 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 73 | 66 | <1 | 73.1 | 68.5 |
| Total Halogenated Hydrocarbons | | 14 | 10 | 8.2 | 5.4 | 6.3 | 15 | 5.2 | 4.6 | 2.6 | 7.6 | 7.2 | 3.3 | 4.1 | 3.2 | 838 | 705 | | 503 | 451 |
| Total Concentration of VOCs | | 14 | 10 | 8.2 | 5.4 | 6.3 | 15 | 5.2 | 4.6 | 2.6 | 7.6 | 7.2 | 3.3 | 4.1 | 3.2 | 838 | 705 | | 503 | 451 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-16 (Cont'd) Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Feb-02 | Aug-02 | Jan-03 | Jul-03* | Feb-04* | Aug-04 | Feb-05 | Mar-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| n-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| sec-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| ter-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Isopropylbenzene | | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <3 | <0.5 | <50 | <50 | <5 |
| Naphthalene | | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 |
| n-Propylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Toluene | 150 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <5 | <1 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Bromoform | 80 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Chloroethane | | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <3 | <0.5 | <300 | <300 | <30 |
| Chloroform | 80 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <0.5 | <30 | <30 | <3 |
| 1,1-Dichloroethane | 5 | 17.2 | 34.4 | 29 | 17.3 | 25.2 | 21.4 | 22.2 | 54.5 | 45.7 | 46.8 | 34.3 | 25.1 | 17.5 | 18 | 10 | 22 | 20.7 | <10 | 12.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 29.4 | 22.6 | 16.2 | <10 | 10.1 | 7.6 | 9.9 | 12.9 | 7.0 | 9.8 | 7.9 | <10 | 6.8 | 5.6 | 6.2 | 7.8 | <10 | <10 | 5.8 |
| cis-1,2-Dichloroethene | 6 | 277 | 479 | 353 | 338 | 319 | 352 | 367 | 362 | 350.3 | 305 | 301.9 | 259.3 | 234 | 226 | 170 | 180 | 455 | 163 | 183 |
| trans-1,2-Dichloroethene | 10 | <1 | 64.7 | 49.5 | 25 | 29.4 | 26.5 | 36.9 | 53.9 | 21.5 | 36.2 | 21 | 27.6 | 27.4 | 23.6 | 25 | 27 | 42.4 | <10 | 26.7 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <5 | <1 | <10 | <10 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 20.3 | 30.2 | 20.8 | 16.7 | 16 | 13.2 | 14.5 | 29.2 | 10.5 | 12.2 | 10.9 | <10 | 5.2 | 13.4 | 6.2 | 9.4 | 10.6 | <10 | 5.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Trichloroethene | 5 | 131 | 225 | 154 | 114 | 121 | 111 | 134 | 146 | 81.3 | 109.1 | 101.3 | 97.6 | 74.6 | 82.6 | 40 | 89 | 130 | 39.4 | 73.3 |
| Freon-11 | 150 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 |
| Freon-113 | 1200 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Freon-123A | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 |
| Vinyl Chloride | 0.5 | 37.3 | 104 | 58 | 29.7 | 34.1 | 34.7 | 58.1 | 92.8 | 14.2 | 53.1 | 5.2 | 34.8 | 31.1 | 37.9 | 39 | 12 | 23.6 | <10 | 24.2 |
| Total Halogenated Hydrocarbons | | 512 | 960 | 681 | 541 | 555 | 566 | 643 | 751 | 531 | 572 | 483 | 444 | 397 | 407 | 303 | 347 | 682 | 202 | 332 |
| Total Concentration of VOCs | | 512 | 960 | 681 | 541 | 555 | 566 | 643 | 751 | 531 | 572 | 483 | 444 | 397 | 407 | 303 | 347 | 682 | 202 | 332 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-16 (Cont'd) Mar-05 | Mar-05 | Mar-05 | Apr-05 | Apr-05 | May-05 | May-05 | Jun-05 | Jun-05 | Jul-05 | Jul-05 | Aug-05 | Aug-05 | Sep-05 * | Sep-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | 1.9 | 2.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 1.9 | 2.3 | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 12.6 | 12.2 | 11.5 | 12.5 | 12.9 | 11.5 | 12.5 | 11.9 | 9.7 | 10.3 | 10 | 8.2 | 8.8 | 10 | 10.4 | 9.3 | 10.7 | 9.9 | 9.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 5.9 | 6.0 | 6.0 | 5.3 | 6.3 | 4.8 | 4.9 | 5.2 | 4.1 | 4.5 | 4.0 | 3.9 | 3.6 | 3.9 | 4.6 | 4.0 | 4.4 | 4.4 | 4.6 |
| cis-1,2-Dichloroethene | 6 | 243 | 279 | 226 | 250 | 263 | 269 | 253 | 283 | 207 | 267 | 188 | 184 | 209 | 170 | 196 | 170 | 184 | 169 | 189 |
| trans-1,2-Dichloroethene | 10 | 24 | 24.3 | 20.5 | 23.8 | 29.9 | 28.2 | 22.5 | 30.8 | 25.6 | 27.8 | 18.7 | 20.8 | 19.8 | 23 | 18.9 | 19.1 | 22.9 | 25.3 | 25.1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.0 | 5.6 | 5.6 | 5.0 | 5.7 | 5.1 | 4.2 | 3.4 | 2.7 | 2.6 | 3.4 | <1 | 3.1 | 2.0 | 4.7 | 1.4 | 2.2 | 2.1 | 1.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 78.8 | 76.4 | 68.8 | 63.3 | 72.3 | 56.4 | 41.8 | 39.1 | 33.5 | 37.9 | 40 | 24.3 | 37.1 | 35 | 57.4 | 31 | 40.1 | 38.8 | 35.6 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 18.3 | 17.6 | 15.8 | 15.9 | 25.1 | 17.1 | 11.4 | 23.7 | 18.6 | 22 | 13.1 | 22.3 | 15.6 | 19 | 8.5 | 13.9 | 17.4 | 19.1 | 19.8 |
| Total Halogenated Hydrocarbons | | 389 | 421 | 354 | 376 | 415 | 392 | 350 | 397 | 301 | 372 | 277 | 264 | 297 | 263 | 301 | 249 | 282 | 269 | 285 |
| Total Concentration of VOCs | | 389 | 423 | 357 | 376 | 415 | 392 | 350 | 397 | 301 | 372 | 277 | 264 | 297 | 263 | 301 | 249 | 282 | 269 | 285 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-16 (Cont'd) Dec-05 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06* | Sep-06 | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.57 | <1 | <1 | <1 | <1 | <1 | 0.75 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.55 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 0.57 | | | | | | 1.3 | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 1.2 | <30 | <30 | <30 | <30 | <30 | 1.2 | <30 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 9.6 | 10 | 9.6 | 9.7 | 6.7 | 8.1 | 7.4 | 7.8 | 6.4 | 7.7 | 6.0 | 6.3 | 3.8 | 4.6 | 4.6 | 4.1 | 4.7 | 2.4 | 3.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.7 | 4.1 | 5.1 | 5.0 | 2.7 | 3.2 | <1 | 1.8 | 2.0 | 2.1 | 2.0 | 1.9 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 225 | 200 | 228 | 179 | 153 | 166 | 146 | 124 | 136 | 137 | 100 | 121 | 83.5 | 44.1 | 62.5 | 61.7 | 71 | 36.8 | 54.3 |
| trans-1,2-Dichloroethene | 10 | 25.7 | 24 | 28.7 | 28.5 | 16.8 | 26.9 | 24.8 | 24.8 | 24.2 | 27.4 | 24 | 23.9 | 15.9 | 23.7 | 22.6 | 23.3 | 27 | 14.6 | 26.2 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 2.4 | 4.1 | 3.2 | 2.2 | <1 | <1 | <1 | 1.1 | <1 | 1.8 | 1.2 | <1 | <1 | <1 | <1 | <1 | 0.84 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 42.2 | 55 | 56.1 | 40.9 | 17 | 28.2 | 20.4 | 21.1 | 18.7 | 31.6 | 19 | 21.8 | 10.7 | 11.4 | 7.3 | 15.1 | 18 | 7.3 | 10.9 |
| Freon-11 | 150 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | 17.8 | 21 | 19.2 | 19.1 | 13.8 | 21.7 | 16.8 | 18.3 | 27.8 | 16.1 | 20 | 20.8 | 17.6 | 9.3 | 15.5 | 14.4 | 14 | 8.3 | 15.8 |
| Total Halogenated Hydrocarbons | | 327 | 318 | 350 | 284 | 210 | 254 | 215 | 199 | 215 | 224 | 173 | 196 | 132 | 93 | 113 | 119 | 139 | 69 | 110 |
| Total Concentration of VOCs | | 327 | 318 | 350 | 284 | 210 | 254 | 215 | 199 | 215 | 224 | 344≈ | 196 | 132 | 93 | 113 | 119 | 178≈ | 69 | 110 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-16 (Cont'd) Jun-07 | Jul-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07* | Jan-08 | Feb-08 | Mar-08* | Apr-08 | May-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | 1.1 | 1.2 | 1.3 | 1.7 | 1.5 | 1.7 | 1.5 | 1.9 | 2.2 | 1.7 | 1.4 | 2 | 2 | 1.7 | 2 | 1.6 | 1.9 | 1.9 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | <5 | | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.79 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 1.1 | 1.2 | 1.3 | 1.7 | 1.5 | 1.7 | 1.5 | 1.9 | 2.2 | 1.7 | 1.4 | 2 | 2 | 1.7 | 2.79 | 1.6 | 1.9 | 1.9 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | 1.1 | <30 | <30 | 1.5 | <30 | <30 | 1.1 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.7 | 2.3 | 1.9 | 1.5 | 1.4 | 1.5 | 1.4 | 1.3 | 1.4 | 2.3 | 1.5 | <1 | <1 | 1.3 | <1 | 2.0 | 2.1 | 2.1 | 1.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 0.78 | <1 | <1 | 0.83 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | 0.59 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 40.5 | 33.1 | 36.6 | 29 | 33.3 | 33.5 | 29 | 27.6 | 31.7 | 51 | 33.6 | 2.8 | 10.9 | 35.1 | 8.7 | 35 | 35.3 | 50.5 | 36 |
| trans-1,2-Dichloroethene | 10 | 23.7 | 25.2 | 21.8 | 21 | 22.5 | 21.7 | 21 | 14 | 14.3 | 18 | 10.5 | 2.2 | 6.5 | 11.2 | 5.1 | 12 | 10.2 | 12.2 | 8.7 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 3.2 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.5 | 5.2 | 4.7 | 4.6 | 6.7 | 7.3 | 8.0 | 6.2 | 7.5 | 11 | 7.5 | <1 | <1 | 6.0 | <1 | 4.3 | 5.9 | 9.1 | 4.2 |
| Freon-11 | 150 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | | | | | | <0.5 | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 11 | 13.6 | 10.6 | 12 | 12.4 | 10.9 | 9.8 | 8.6 | 9.8 | 12 | 7.7 | 2.2 | 9.4 | 9.4 | 5 | 15 | 9.4 | 11.2 | 9.4 |
| Total Halogenated Hydrocarbons | | 86 | 79 | 76 | 70 | 76 | 75 | 72 | 58 | 65 | 96 | 61 | 7.2 | 27 | 63 | 19 | 69 | 63 | 88 | 60 |
| Total Concentration of VOCs | | 86 | 81 | 77 | 155≈ | 78 | 76 | 73 | 59 | 67 | 162≈ | 63 | 8.6 | 29 | 65 | 21 | 97≈ | 65 | 90 | 62 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-16 (Cont'd) Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.9 | 1.8 | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 1.5 | 1.7 | 1.5 | 1.6 | 1.8 | 2.3 | 2.2 | 1.8 | 1.7 | 1.7 | 1.8 | 1.9 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 0.65 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.55 | 1.8 | 1.4 | 1.3 | 1.2 | 1.5 | 1.5 | 1.5 | 1.7 | 1.5 | 1.6 | 1.8 | 2.3 | 2.2 | 1.8 | 1.7 | 1.7 | 1.8 | 1.9 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.1 | 1.7 | 1.9 | 2.7 | 2.2 | 2.5 | 2.2 | 2.5 | 2.2 | 1.3 | 1.9 | 2.1 | 2.3 | 1.5 | 2.0 | 1.6 | 1.3 | 1.1 | 1.8 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 0.76 | <1 | <1 | <1 | <1 | 1.1 | <1 | 1.4 | <1 | <1 | <1 | 1.5 | 2.0 | <1 | 2.0 | <1 | <1 | <1 | 2.3 |
| cis-1,2-Dichloroethene | 6 | 45 | 21.3 | 18 | 60.3 | 34.5 | 50.8 | 55 | 65.4 | 59 | 20.5 | 45.6 | 67 | 85.8 | 55.2 | 111 | 79.7 | 44.9 | 31.4 | 96 |
| trans-1,2-Dichloroethene | 10 | 13 | 7.8 | 5.6 | 15.4 | 12.1 | 13.7 | 13.6 | 15.1 | 14.7 | 8.4 | 11.3 | 14.4 | 16.7 | 11.2 | 18.1 | 15.1 | 9.7 | 6.9 | 16.2 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | 2.1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 5.8 | 6.8 | <1 | 2.9 | 5.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200.0 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5.0 | 5.3 | 1.4 | 1.3 | 6.8 | 2.6 | 5.8 | 8.1 | 7.8 | 6.5 | <1 | 3.0 | 7.0 | 8.7 | 2.9 | 10.3 | 5.7 | 1.1 | <1 | 6.4 |
| Freon-11 | 150 | <0.5 | | | | | | | | | | | | | | | | | | |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 17 | 11.7 | 10 | 17.7 | 17.7 | 16.7 | 14.7 | 15.9 | 13 | 12.3 | 13.8 | 15.1 | 16.7 | 20.6 | 19.5 | 14.1 | 16.2 | 13.7 | 22.3 |
| Total Halogenated Hydrocarbons | | 85 | 44 | 37 | 103 | 69 | 91 | 100 | 114 | 102 | 43 | 79 | 112 | 132 | 91 | 163 | 116 | 73 | 53 | 145 |
| Total Concentration of VOCs | | 99≈ | 46 | 38 | 104 | 70 | 92 | 101 | 115 | 104 | 44 | 80 | 114 | 135 | 94 | 165 | 118 | 75 | 55 | 147 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-96-16 (Cont'd) | | | | | | | | | | | | | | | | 51-96-17 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Jan-97 | (D)* | May-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 2.0 | 2.2 | 2.3 | 1.8 | 3.5 | 2.7 | 4.1 | 2.9 | 3.7 | 2.5 | 2.1 | 2.5 | 2.4 | 1.9 | 2.4 | 2.3 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | <5 | <1 | <5 |
| Naphthalene | | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.0 | 2.2 | 2.3 | 1.8 | 3.5 | 2.7 | 4.1 | 2.9 | 3.7 | 2.5 | 2.1 | 2.5 | 2.4 | 1.9 | 2.4 | 2.3 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <1 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.2 | 2.1 | 1.4 | 1.2 | 0.8 | 1.6 | 1.4 | 1.2 | <1 | <1 | <1 | 0.8 | <1 | 1.0 | <1 | <1 | 9.1 | 9.1 | 8.4 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| 1,1-Dichloroethene | 6 | 0.61 | <1 | <1 | <1 | 0.5 | 2.3 | <1 | 1.3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 3.7 | 4.7 | 3.8 |
| cis-1,2-Dichloroethene | 6 | 34 | 102 | 51 | 82.2 | 48 | 154 | 85.1 | 113 | 15 | 7.4 | 7.8 | 18 | 19.7 | 72.7 | 36.7 | 23.3 | 46.7 | 42 | 39.6 |
| trans-1,2-Dichloroethene | 10 | 7.9 | 17.5 | 11.4 | 12.1 | 8.5 | 20.4 | 12.9 | 14 | 3.7 | 2.9 | 2.9 | 5.0 | 5.1 | 10.3 | 7.2 | 5.1 | 35.2 | 26 | 27.6 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | <0.5 | 6.6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 9.3 | 10 | <1 |
| 1,1,1-Trichloroethane | 200.0 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.5 | 2.1 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5.0 | 0.64 | 5.2 | <1 | 4.1 | 0.8 | 6.4 | <1 | 4.6 | <1 | <1 | <1 | <0.5 | <1 | 1.9 | <1 | <1 | 35.6 | 30 | 21.4 |
| Freon-11 | 150 | <0.5 | | | | <0.5 | | | | | | | <0.5 | | | | | <2 | <2 | <2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 15 | 13.7 | 20.3 | 13.3 | 14 | 20.5 | 33.4 | 12.8 | 6.8 | 5.7 | 6.8 | 10 | 12.7 | 14.7 | 13.4 | 8.5 | 35.6 | 37 | 18.2 |
| Total Halogenated Hydrocarbons | | 59 | 147 | 84 | 113 | 73 | 205 | 133 | 147 | 26 | 16 | 18 | 34 | 38 | 101 | 57 | 37 | 177 | 161 | 119 |
| Total Concentration of VOCs | | 61 | 149 | 86 | 115 | 76 | 208 | 137 | 150 | 29 | 19 | 20 | 36 | 40 | 103 | 60 | 39 | 177 | 161 | 119 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-17 (Cont'd) Aug-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 | Jun-99 | Feb-00 | Aug-00 | Mar-01 | Sep-01 | Feb-02 | Aug-02 | Jul-03* | Aug-04 | Feb-05 | Mar-05 | Mar-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 7.1 | 4.5 | 8.6 | 6.7 | 6.2 | 5.2 | 4.4 | 4.0 | 5.4 | 8.1 | 6.7 | 6.1 | 5.2 | 4.3 | 4.1 | 5.0 | 3.7 | 4.8 | 5.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.2 | <1 | 4.1 | 3.3 | 2.5 | 1.6 | 1.3 | <1 | 1.5 | 3.4 | 2.3 | 2.2 | 1.4 | 1.1 | 1.2 | <1 | <1 | 2.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 24.7 | 10.4 | 37.8 | 35 | 40.6 | 23 | 19.3 | 14.4 | 19.2 | 78.4 | 46.2 | 31.7 | 22.1 | 18.8 | 23 | 54 | 43 | 79.6 | 111 |
| trans-1,2-Dichloroethene | 10 | 24.5 | 6.0 | 32.5 | 32.6 | 28.4 | 19.7 | 15.6 | 12.5 | 22.8 | 44.8 | 35 | 34.4 | 21.7 | 19.1 | 25 | 31.6 | 23.4 | 33.4 | 39.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 20.1 | 6.2 | 29.5 | 20 | 18.2 | 13.8 | 11.7 | 9.0 | 12.8 | 17.2 | 16.6 | 18.2 | 10.2 | 9.0 | 9.3 | 10.4 | 9.6 | 12.4 | 15.3 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 43.7 | <1 | 45.6 | 52.5 | 70 | 27.9 | 21.1 | 6.2 | 30.8 | 103.5 | 68.4 | 36.8 | 30.1 | 14.2 | 26 | 21.5 | 18.8 | 34.9 | 28.9 |
| Total Halogenated Hydrocarbons | | 123 | 27 | 158 | 150 | 166 | 91 | 73 | 46 | 93 | 255 | 175 | 129 | 91 | 67 | 89 | 123 | 99 | 168 | 200 |
| Total Concentration of VOCs | | 123 | 27 | 158 | 150 | 166 | 91 | 73 | 46 | 93 | 255 | 175 | 129 | 91 | 67 | 89 | 123 | 99 | 168 | 200 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-17 (Cont'd) Mar-05 | Mar-05 | Apr-05 | Apr-05 | May-05 | May-05 | Jun-05 | Jun-05 | Jul-05 | Jul-05 | Aug-05 | Aug-05 | Sep-05* | Sep-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 | Dec-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 5.4 | 5.1 | 6.3 | 5.4 | 6.6 | 5.4 | 6.0 | 4.4 | 5.1 | 5.5 | 5.2 | 5.6 | 5.3 | 4.1 | 4.6 | 4.6 | 5.1 | 4.8 | 5.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.6 | 3.4 | 3.4 | <1 | 3.6 | 3.9 | 3.8 | <1 | 3.2 | <1 | 3.1 | 3.1 | 2.6 | <1 | 2.7 | 1.9 | 2.9 | 2.6 | 2.5 |
| cis-1,2-Dichloroethene | 6 | 127 | 128 | 159.0# | 167 | 154 | 146 | 224 | 127 | 148 | 141 | 150 | 153 | 100 | 113 | 123 | 107 | 128 | 124 | 120 |
| trans-1,2-Dichloroethene | 10 | 42.9 | 41.2 | 48.6 | 46.9 | 59.3 | 48.6 | 50.7 | 34.9 | 46.5 | 43.3 | 44.7 | 48.3 | 44 | 36 | 40.9 | 35.1 | 43.9 | 39.6 | 44.3 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.64 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 15.9 | 14.5 | 15.2 | 14.6 | 17 | 15.9 | 16.3 | 10.4 | 15.3 | 14 | 15.5 | 14.6 | 15 | 11.8 | 13.6 | 9.9 | 13.6 | 12.9 | 13.1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 24.8 | 24.1 | 27.6 | 25.8 | 27.1 | 18 | 21.6 | 13.6 | 20.8 | 12.4 | 20.2 | 17.3 | 18 | 8.8 | 15.4 | 13.8 | 19.5 | 22.8 | 22.6 |
| Total Halogenated Hydrocarbons | | 220 | 216 | 260 | 260 | 268 | 238 | 322 | 190 | 239 | 216 | 239 | 242 | 186 | 174 | 200 | 172 | 213 | 207 | 208 |
| Total Concentration of VOCs | | 220 | 216 | 260 | 260 | 268 | 238 | 322 | 190 | 239 | 216 | 239 | 242 | 186 | 174 | 200 | 172 | 213 | 207 | 208 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-17 (Cont'd) Dec-05* | Jan-06 | Jan-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06* | Sep-06 | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | 0.56 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 5.3 | 4.9 | 4.9 | 3.9 | 4.9 | 5.1 | 4.6 | 4.7 | 3.7 | 3.5 | 3.3 | 2.8 | 2.6 | 1.2 | <1 | 0.88 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.7 | 3.4 | 2.7 | 2.4 | 2.5 | 2.6 | 2.1 | 2.2 | 1.4 | 1.8 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 110 | 136 | 133 | 101 | 137 | 153 | 129 | 112 | 80.1 | 86 | 98.2 | 39.5 | 2.7 | 7.8 | 5.3 | 4.3 | 4.2 | 4.0 | 4.2 |
| trans-1,2-Dichloroethene | 10 | 44 | 48.5 | 44.4 | 34.4 | 42.4 | 47.2 | 42.1 | 40.1 | 31 | 29 | 33.7 | 19.9 | 6.7 | 8.9 | 5.9 | 6.3 | 5.1 | 4.5 | 3.8 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 16 | 15.4 | 13.8 | 9.9 | 13.6 | 12.9 | 12.4 | 11.9 | 11.7 | 2.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-11 | 150 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 32 | 26.8 | 22.3 | 23.2 | 18.6 | 32.8 | 24.1 | 25.4 | 13.7 | 20 | 33.6 | 36.4 | 7.8 | 10 | 5.7 | 3.7 | 2.9 | 1.7 | 1.5 |
| Total Halogenated Hydrocarbons | | 210 | 235 | 221 | 175 | 219 | 254 | 214 | 196 | 142 | 143 | 169 | 99 | 20 | 28 | 17 | 16 | 12 | 10 | 9.5 |
| Total Concentration of VOCs | | 210 | 235 | 221 | 175 | 219 | 254 | 214 | 196 | 142 | 553≈ | 169 | 99 | 20 | 28 | 17 | 16 | 12 | 10 | 9.5 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-17 (Cont'd) Jul-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 0.94 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.3 | 3.1 | 3.0 | 3.5 | 3.4 | 3.2 | 3.3 | 2.7 | 1.4 | 1.3 | 1.4 | <1 | <1 | 0.92 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 3.5 | 2.5 | 3.1 | 3.1 | 2.3 | 2.3 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | | | | | | <0.5 | | | | | |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 3.2 | 3.1 | 3.0 | 1.3 | 1.3 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 10 | 8.7 | 10 | 7.9 | 7.0 | 6.7 | 6.3 | 2.7 | 1.4 | 2.3 | 1.4 | | | 2.1 | | | | | |
| Total Concentration of VOCs | | 10 | 8.7 | 10 | 7.9 | 7.0 | 6.7 | 6.3 | 2.7 | 1.4 | 2.3 | 1.4 | | | 2.1 | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-17 (Cont'd) Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | 1.3 | 0.76 | 1.2 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | 0.74 | 2.0 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.4 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 1.4 | 1.4 | 2.0 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-11 | 150 | | | | | | | | | | | | | | | | | <0.5 | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.1 | <0.5 | 1.3 | <1 |
| Total Halogenated Hydrocarbons | | | | | 1.4 | 1.4 | 2.0 | | | 1.4 | | | | 1.1 | | | 6.4 | 1.5 | 5.9 | |
| Total Concentration of VOCs | | | | | 1.4 | 1.4 | 2.0 | | | 1.4 | | | | 1.1 | | | 6.4 | 1.5 | 5.9 | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-96-17 (Cont'd) | | | | | | | | | | | | | 51-96-18 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Jan-97 | (D)* | Feb-97 | Apr-97 | Aug-97 | Dec-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <30 | <100 | <2 | <200 | <20 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <5 | <30 | <250 | <5 | <500 | <50 |
| Naphthalene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <30 | <100 | <2 | <200 | <20 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <60 | <100 | <2 | <200 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Bromoform | 80 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <30 | <100 | <2 | <200 | <20 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Chloroethane | | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <1500 | <30 | <3000 | <300 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | 2.0 | <30 | <50 | 2.0 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 1.2 | 0.8 | 1.5 | 1.6 | 1.5 | <1 | 1.3 | 1.1 | 1.2 | 1.1 | 1.3 | 1.3 | 1.3 | 2070 | 1700 | 2480 | 2120 | 1950 | 3050 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | 28.2 | <30 | <100 | 26.8 | <200 | 38.3 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 330 | 390 | 489 | 419 | 309 | 585 |
| cis-1,2-Dichloroethene | 6 | 1.7 | 0.8 | 1.8 | 1.6 | 2.3 | 1.5 | 1.6 | 1.5 | 3.4 | 4.3 | 5.9 | 6.7 | 3.9 | 34.2 | 32 | <50 | 24.4 | <100 | 42.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.54 | <1 | <1 | 1.5 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 34.7 | <60 | <50 | <1 | <100 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 180 | 230 | 215 | 183 | 168 | 238 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 135 | 180 | 212 | 207 | 159 | 200 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.3 | <30 | <50 | 1.4 | <100 | <10 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 408 | 430 | 479 | 366 | 362 | 601 |
| Freon-11 | 150 | | <0.5 | | | | | | | <0.5 | | | | | <2 | <30 | <100 | <2 | <200 | <20 |
| Freon-113 | 1200 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <50 | <1 | <100 | <10 |
| Freon-123A | | | | | | | | | | | | | | | <1 | <30 | <50 | <1 | <100 | <10 |
| Vinyl Chloride | 0.5 | 3.7 | <0.5 | 1.2 | <1 | 2.3 | <1 | <1 | <1 | <0.5 | 1.8 | 2.1 | 3.5 | <1 | 71.2 | 67 | <50 | 2.7 | <100 | 83.6 |
| Total Halogenated Hydrocarbons | | 6.6 | 1.6 | 4.5 | 3.2 | 6.1 | 1.5 | 2.9 | 2.6 | 5.1 | 7.2 | 9.3 | 13 | 5.2 | 3,295 | 3,029 | 3,875 | 3,352 | 2,948 | 4,838 |
| Total Concentration of VOCs | | 6.6 | 1.6 | 4.5 | 3.2 | 6.1 | 1.5 | 2.9 | 2.6 | 5.1 | 7.2 | 9.3 | 13 | 5.2 | 3,295 | 3,029 | 3,875 | 3,352 | 2,948 | 4,838 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) (D)* | Mar-98 | Jun-98 | (D)* | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Mar-02 | Aug-02 | Feb-03 | Sep-03 | Mar-04 | Apr-04 | May-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <200 | <200 | <0.5 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <500 | <500 | <0.5 | <250 | <50 | <50 | <50 | <50 | <5 | <5 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <200 | <200 | <0.5 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | 1.1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 0.7 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <200 | <200 | <1 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 0.7 | | | | | | | | | | 1.1 | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <200 | <200 | <1 | <100 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | 6.8 | 16.8 | 11.8 | <10 | <10 | <1 | <1 | 1.6 | 2.1 | 1.9 |
| Chloroethane | | 0.72 | <3000 | <3000 | <0.5 | <1500 | <300 | <300 | <300 | <300 | <30 | <30 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | 0.77 | <100 | <100 | 0.6 | <50 | <10 | <10 | <10 | <10 | <3 | <3 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 3100 | 2560 | 1770 | 2000 | 1690 | 1790 | 1500 | 1400 | 819 | 402.2 | 499.8 | 644 | 608.9 | 458.1 | 400 | 377 | 194 | 141 | 111 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <200 | <200 | 25 | <100 | 24 | <20 | <20 | 15.3 | 7 | 7.7 | <20 | <20 | <20 | 4.9 | 6.4 | 2.5 | 2.1 | <2 |
| 1,1-Dichloroethene | 6 | 730 | 503 | 397 | 500 | 236 | 405 | 216 | 212 | 209 | 108.7 | 103.3 | 105.3 | 61.6 | 67.6 | 46.8 | 88.1 | 41.9 | 29.1 | 29.8 |
| cis-1,2-Dichloroethene | 6 | 60 | <100 | <100 | 23 | <50 | <10 | 18.8 | 20.2 | 26.6 | 9.3 | 11.3 | 13.7 | <10 | 10.6 | 6.8 | 10 | 4.9 | 4.0 | 3.2 |
| trans-1,2-Dichloroethene | 10 | 2.4 | <100 | <100 | 1.4 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 11 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | 1.1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 340 | 263 | 188 | 200 | 118 | 173 | 130 | 141 | 202 | 88.1 | 148.5 | 113.7 | 66.8 | 101 | 77.9 | 143 | 259 | 406 | 389 |
| 1,1,1-Trichloroethane | 200 | 220 | 200 | 129 | 160 | 66.1 | 75 | 38.4 | <10 | 102 | 41.6 | 92 | 72.4 | 37.1 | 20.9 | 14.7 | 11.1 | 15 | 12.9 | 12.1 |
| 1,1,2-Trichloroethane | 5 | 2.3 | <100 | <100 | 1.7 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 750 | 595 | 387 | 470 | 294 | 459 | 345 | 320 | 298 | 171.5 | 176.2 | 187.5 | 106.9 | 113.9 | 83.1 | 120 | 100 | 99.2 | 87.9 |
| Freon-11 | 150 | <0.5 | <200 | <200 | <2 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 110 | <100 | <100 | 3.7 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5,327 | 4,121 | 2,871 | 3,385 | 2,404 | 2,926 | 2,248 | 2,093 | 1,672 | 835 | 1,057 | 1,148 | 881 | 772 | 634 | 756 | 619 | 696 | 635 |
| Total Concentration of VOCs | | 5,328 | 4,121 | 2,871 | 3,385 | 2,404 | 2,926 | 2,248 | 2,093 | 1,672 | 835 | 1,058 | 1,148 | 881 | 772 | 634 | 756 | 619 | 696 | 635 |

# Table 5-1 (Cont'd)
# Bevalac Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.6 | 1.8 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 92.6 | 65.2 | 56 | 64 | 49 | 53.2 | 57.6 | 41.8 | 28.1 | 26.3 | 26.8 | 23.7 | 20.7 | 35.7 | 39 | 51.9 | 64.3 | 67.7 | 58.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 23.5 | 27.1 | 23.3 | 28.8 | 17.2 | 22.8 | <10 | 8.5 | <10 | 10.5 | 11.4 | 10.6 | 9.5 | 17.8 | 14.6 | 15.2 | 15.3 | 17.5 | 13.8 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 2.3 | 1.7 | 2.1 | <1 | <1 | <10 | 1.7 | <10 | <1 | <1 | <1 | <1 | 1.3 | <1 | 2.2 | 2.2 | 2.4 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 360 | 488 | 387 | 313 | 260 | 233 | 334 | 379 | 267 | 302 | 307 | 277 | 252 | 393 | 290 | 232 | 248 | 227 | 185 |
| 1,1,1-Trichloroethane | 200 | 10 | 12.6 | 9.3 | 8.9 | 5.9 | 6.9 | <10 | 7.2 | <10 | 5.3 | 5.3 | 5.6 | 4.4 | 5.2 | 4.6 | 3.9 | 4.0 | 3.1 | 2.8 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 84.3 | 95.8 | 71.3 | 70.6 | 48.9 | 60.3 | 66.8 | 64.2 | 45.2 | 49.7 | 49.3 | 46.9 | 39.9 | 62.9 | 57.3 | 61.6 | 60.5 | 62.2 | 59.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 575 | 693 | 549 | 487 | 381 | 376 | 458 | 502 | 340 | 394 | 400 | 364 | 327 | 516 | 406 | 367 | 394 | 380 | 322 |
| Total Concentration of VOCs | | 575 | 693 | 549 | 487 | 381 | 376 | 458 | 502 | 340 | 394 | 400 | 364 | 327 | 516 | 406 | 367 | 394 | 380 | 322 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 1.5 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 66.3 | 74.4 | 72.6 | 70 | 60.8 | 66.8 | 75.4 | 72.5 | 73.6 | 64.3 | 60 | 60 | 47.5 | 47 | 48.6 | 48.7 | 51.6 | 49.2 | 25.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 12.7 | 18.2 | 15.5 | 15.5 | 12.6 | 14.9 | 14.5 | 14.1 | 16.7 | 13.4 | 13.9 | 12.5 | 10.5 | 9.3 | 10.9 | 10.9 | 11.8 | 11.1 | 4.9 |
| cis-1,2-Dichloroethene | 6 | 2.8 | 3.4 | 3.1 | 3.4 | 2.6 | 3.0 | 3.3 | <10 | 3.6 | 3.4 | 3.0 | 3.0 | 2.9 | 2.8 | 2.9 | 2.6 | 2.9 | 3.1 | 1.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 155 | 200 | 207 | 193 | 160 | 199 | 176 | 199 | 208 | 203 | 176 | 164 | 155 | 145 | 163 | 171 | 178 | 155 | 18.7 |
| 1,1,1-Trichloroethane | 200 | 2.8 | 3.0 | 3.2 | 3.9 | 2.8 | 3.2 | 3.0 | <10 | 2.7 | 2.2 | 2.0 | 2.1 | 1.9 | 2.0 | 1.7 | 1.9 | 1.9 | 2.0 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 56.3 | 70.9 | 64.8 | 72.8 | 59 | 66.9 | 67.3 | 64.9 | 62.7 | 60.9 | 55.6 | 51.7 | 49.1 | 50.1 | 53.4 | 55.2 | 57.2 | 55.8 | 14 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 296 | 370 | 366 | 359 | 298 | 354 | 340 | 351 | 367 | 347 | 311 | 293 | 267 | 256 | 281 | 290 | 303 | 276 | 65 |
| Total Concentration of VOCs | | 296 | 370 | 366 | 359 | 298 | 355 | 340 | 351 | 367 | 347 | 311 | 293 | 267 | 256 | 281 | 290 | 303 | 276 | 66≈ |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 51 | 21.1 | 40.9 | 19.5 | 24.4 | 33.6 | 24.3 | 27.4 | 11.7 | 33.2 | 26.6 | 36.8 | 23.5 | 29.5 | 18.4 | 22.9 | 15 | 22.1 | 15.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 9.8 | 3.5 | 7.2 | 2.7 | 4.1 | 6.7 | 4.4 | 6.4 | 1.6 | 6.7 | 4.7 | 6.8 | 5.3 | 7.8 | 4.8 | 8.2 | 3.9 | 6.3 | 7.2 |
| cis-1,2-Dichloroethene | 6 | 2.9 | <1 | 2.4 | <1 | 1.4 | 1.9 | 1.6 | 1.9 | 1.3 | 2.0 | 1.9 | 2.5 | 1.7 | 2.2 | 1.3 | 1.7 | 1.2 | 2.3 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 76.9 | 23.6 | 65.5 | 20.8 | 29.3 | 63.3 | 42.8 | 72.2 | 17.9 | 51.1 | 30.4 | 77.4 | 31.8 | 80.2 | 47.9 | 132 | 57 | 74.9 | 101 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | 1.0 | <1 | 1.3 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 34.8 | 11.4 | 28.9 | 8.8 | 13 | 26.5 | 23.4 | 30 | 7.7 | 22.7 | 19.1 | 34 | 18.4 | 30.1 | 19.3 | 35 | 18 | 27.3 | 34.7 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | <1 | | <0.5 | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 175 | 60 | 146 | 52 | 72 | 132 | 97 | 138 | 40 | 116 | 83 | 159 | 81 | 150 | 92 | 200 | 96 | 133 | 161 |
| Total Concentration of VOCs | | 175 | 60 | 146 | 52 | 72 | 132 | 97 | 138 | 40 | 116 | 83 | 159 | 81 | 150 | 92 | 200 | 96 | 133 | 161 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | (D)* | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 17.1 | 15.2 | 19.6 | 16.4 | 21.4 | 16.3 | 25.4 | 29 | 15.7 | 21 | 8.8 | 12.5 | 8.8 | 9.7 | 9.1 | 12.4 | 8.5 | 7.7 | 8.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 5.4 | 4.5 | 5.4 | 4.7 | 5.8 | 3.8 | 7.0 | 9.8 | 5.3 | 7.1 | 2.8 | 5.3 | 3.4 | 3.3 | 4.2 | 5.7 | 3.0 | 3.2 | 2.1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.7 | 1.4 | 1.2 | 1.8 | 1.3 | 1.9 | 2.1 | 1.3 | 1.3 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 105 | 46.8 | 68.8 | 49.2 | 62.7 | 30.9 | 75 | 75 | 47.6 | 81.5 | 44.9 | 78.1 | 65.2 | 63.5 | 85 | 76.1 | 58.1 | 69.9 | 24.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 29.4 | 19.7 | 21.8 | 21.4 | 23.6 | 13.9 | 26.3 | 32 | 21.1 | 25.3 | 18 | 21.8 | 15.8 | 17 | 18.1 | 19.3 | 15.3 | 16.8 | 9.3 |
| Freon-11 | 150 | | | | | | | | <0.5 | | | | | | | | | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 157 | 88 | 117 | 93 | 115 | 66 | 136 | 149 | 91 | 136 | 75 | 119 | 93 | 94 | 116 | 114 | 85 | 98 | 45 |
| Total Concentration of VOCs | | 157 | 88 | 117 | 93 | 115 | 66 | 136 | 149 | 91 | 136 | 75 | 119 | 93 | 94 | 116 | 114 | 85 | 98 | 45 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-96-18 (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | Mar-12* | May-12 | Jul-12 | Sep-12 | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 6.1 | 8.7 | 4.9 | 2.4 | 2.9 | 5.6 | 3.1 | 7.7 | 8.7 | 11.5 | 13.1 | 11.1 | 15.1 | 15 | 18.9 | 19.9 | 20.1 | 22 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 3.0 | 3.9 | 2.1 | 1.4 | 1.3 | 1.8 | 1.1 | 3.1 | 2.8 | 4.1 | 4.7 | 3.8 | 5.7 | 5.6 | 8.3 | 9.1 | 8.4 | 9.1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.96 | 1.1 | 1.0 | 1.1 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 44 | 52.4 | 47.4 | 59 | 29.4 | 29.7 | 29.2 | 44 | 42.5 | 45.6 | 51 | 41.8 | 50 | 47 | 53.2 | 61.2 | 59.4 | 66 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 11.2 | 14.1 | 10.2 | 8.6 | 6.0 | 7.3 | 6.1 | 10.2 | 11.1 | 12.7 | 14 | 12.5 | 15.1 | 14 | 15.8 | 18.3 | 18 | 20 |
| Freon-11 | 150 | | | | <0.5 | | | | | | | | | | <0.5 | | | | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 64 | 79 | 65 | 71 | 40 | 44 | 40 | 65 | 65 | 74 | 83 | 69 | 86 | 83 | 97 | 110 | 107 | 118 |
| Total Concentration of VOCs | | 64 | 79 | 65 | 71 | 40 | 44 | 40 | 65 | 65 | 74 | 83 | 69 | 86 | 83 | 97 | 110 | 107 | 118 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-97-3 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-97 | (D)* | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Aug-03* | Aug-04 | Aug-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <3 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <2 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 25.7 | 31 | 8.6 | 4.4 | 3.5 | <1 | 1.2 | 2.2 | 4.6 | 7.8 | 10.3 | 15.6 | 11.7 | 11.7 | 25.4 | 10 | 15.8 | 12.6 | 12 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 33.7 | 51 | 7.9 | 3.5 | 3.2 | 1.0 | 2.1 | 3.3 | 6.2 | 8.8 | 10.8 | 20.6 | 15.5 | 20.8 | 38.3 | 15 | 31.3 | 20.6 | 21 |
| cis-1,2-Dichloroethene | 6 | 15.9 | 20 | 2.2 | 1.7 | 1.5 | <1 | <1 | 1.7 | 3.2 | 5.0 | 5.7 | 12.1 | 7.6 | 7.0 | 22.1 | 9.7 | 18.3 | 15.7 | 17.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <2 | 11.7 | 5.2 | 2.8 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | 1.9 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12.3 | 18 | 16.1 | 9.5 | 5.1 | 1.2 | 1.7 | 1.9 | 2.6 | 4.3 | 3.6 | 5.2 | 4.4 | 4.1 | 9.1 | 3.9 | 8.2 | 2.5 | 2.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | | | <1 | <1 | <1 | <1 | <1 | 3.5 | <1 | 8.4 | 12.7 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 5.2 | 8.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | <1 | <1 | 8.1 | 1.5 | 2.8 | 1.4 | <1 |
| Total Halogenated Hydrocarbons | | 93 | 128 | 47 | 24 | 16 | 2.2 | 5.0 | 9.1 | 20 | 32 | 41 | 69 | 39 | 44 | 103 | 40 | 76 | 53 | 53 |
| Total Concentration of VOCs | | 93 | 128 | 47 | 24 | 16 | 2.2 | 5.0 | 9.1 | 20 | 32 | 41 | 69 | 39 | 44 | 103 | 40 | 76 | 53 | 53 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-97-3 (Cont'd) | | | | | | | | | | | | | 51-97-12 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-06 | Feb-07 | Aug-07 | Feb-08 | Aug-08 | Feb-09 | Jul-09 | Feb-10 | Aug-10 | Feb-11 | Aug-11 | Feb-12 | Aug-12 | Oct-97 | (D)* | Nov-97 | Mar-98 | Jun-98 | Sep-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 12.1 | 9.5 | 8.6 | 12.7 | 12.5 | 11.7 | 8.3 | 13.5 | 11.9 | 9.8 | 10.4 | 9.5 | 10.6 | 17.2 | 13 | 20.5 | 1.5 | 3.6 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 21.2 | 13.4 | 11.4 | 26.9 | 26.7 | 24.4 | 19.5 | 30.2 | 25.7 | 20.6 | 22.7 | 20.6 | 23.6 | 15.3 | 14 | 17.5 | 1.7 | 4.8 | <1 |
| cis-1,2-Dichloroethene | 6 | 18.6 | 12.2 | 11 | 37.4 | 39.4 | 34.1 | 25 | 41.9 | 38.6 | 33.8 | 39.7 | 35.9 | 37.1 | 39.6 | 45 | 49.5 | 5.0 | 11.9 | 1.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | 2.2 | 1.8 | 2.3 | 1.7 | 2.6 | <1 | 1.9 | 2.1 | 2.2 | 2.0 | 5.4 | 5.8 | 6.6 | <1 | 1.8 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.5 | 2.2 | 2.2 | 5.3 | 4.8 | 4.8 | 3.0 | 3.9 | 3.8 | 3.0 | 3.4 | 3.6 | 3.6 | 8.1 | 7.4 | 12.2 | 1.0 | 2.8 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | | | | | | | | | | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | | | | | | | | | | | | | <1 | 1.5 | <1 |
| Vinyl Chloride | 0.5 | 3.2 | <1 | <1 | 5.6 | 5.9 | 2.9 | 3.6 | 4.7 | 3.7 | 1.9 | 2.5 | 1.8 | 1.8 | 15.6 | 14 | 21 | <1 | 4.9 | <1 |
| Total Halogenated Hydrocarbons | | 60 | 37 | 33 | 90 | 91 | 80 | 61 | 97 | 84 | 71 | 81 | 74 | 79 | 101 | 99 | 127 | 9.2 | 31 | 1.7 |
| Total Concentration of VOCs | | 60 | 37 | 33 | 90 | 91 | 80 | 61 | 97 | 84 | 71 | 81 | 74 | 79 | 101 | 99 | 127 | 9.2 | 31 | 1.7 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-97-12 (Cont'd) Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Jan-03 | Aug-03* | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Jan-06 | Jul-06 | Dec-06 | Feb-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 1.4 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.0 | 8.3 | 7.3 | 8.5 | 5.0 | 13.3 | 8.7 | 8.5 | 14.8 | 11.3 | 8.2 | 13.2 | 6.0 | 3.2 | 2.3 | 2.8 | 8.1 | 8.8 | 5.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.9 | 7.5 | 7.0 | 7.7 | 5.4 | 13.3 | 10.7 | 10.7 | 13.4 | 13.5 | 9.6 | 14.7 | 7.8 | 4.0 | 3.3 | 3.7 | 9.0 | 9.3 | 5.3 |
| cis-1,2-Dichloroethene | 6 | 6.6 | 31.4 | 25 | 22.3 | 15.8 | 50.5 | 34.3 | 33.8 | 55.2 | 54.7 | 37 | 63.2 | 30.2 | 15.7 | 12.8 | 17.1 | 44 | 54 | 31.2 |
| trans-1,2-Dichloroethene | 10 | <1 | 2.5 | 2.2 | 3.3 | 1.6 | 5.6 | 4.2 | 3.8 | 5.6 | 6.3 | 4.2 | 7.4 | 3.4 | <1 | <1 | 2.1 | 4.7 | 6.3 | 3.3 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 3.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 5.6 | 2.8 | 3.1 | 2.7 | 7.1 | 5.3 | 3.7 | 5.2 | 5.4 | 3.4 | 7.1 | 3.3 | <1 | <1 | <1 | 2.7 | 3.2 | 2.3 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | 2.0 | 3.2 | <1 | 2.4 | 5.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.8 | 6.3 | 5.1 | 3.6 | 2.9 | 8.1 | 3.2 | 2.2 | 2.9 | 4.3 | 2.0 | 4.5 | 1.6 | <1 | <1 | <1 | 1.2 | 1.5 | <1 |
| Total Halogenated Hydrocarbons | | 12 | 67 | 53 | 49 | 36 | 103 | 66 | 63 | 97 | 96 | 64 | 112 | 52 | 23 | 18 | 26 | 70 | 83 | 47 |
| Total Concentration of VOCs | | 12 | 67 | 53 | 49 | 37 | 103 | 66 | 63 | 97 | 96 | 64 | 112 | 52 | 23 | 18 | 26 | 70 | 83 | 47 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-97-12 (Cont'd) | | | | | | | | | | | | 51-97-13 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-07 | Feb-08 | Apr-08 | Aug-08 | Mar-09 | Jul-09 | Mar-10 | Aug-10 | Feb-11 | Aug-11 | Feb-12 | Aug-12 | Oct-97 | (D)* | Nov-97 | Mar-98 | Jun-98 | (S)* | Sep-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | 6.4 | 8.1 | 4.9 | 6.2 | 2.9 | 6.1 | 5.0 | 5.8 | 4.7 | 5.3 | 4.1 | 3.3 | 14.9 | 12 | 11.3 | 11.1 | 1.2 | 1.1 | 4.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 7.5 | 10.7 | 7.2 | 8.7 | 3.6 | 7.7 | 6.9 | 11 | 7.2 | 8.4 | 5.6 | 4.8 | 16.1 | 16 | 13.6 | 17.8 | 3.3 | 3.1 | 6.7 |
| cis-1,2-Dichloroethene | 6 | 42.9 | 67 | 36.6 | 56.7 | 22.3 | 56.3 | 56.7 | 86.1 | 57.3 | 84.3 | 49.8 | 37.1 | 6.6 | 6.9 | 5.7 | 5.3 | <1 | <0.5 | 2.3 |
| trans-1,2-Dichloroethene | 10 | 4.6 | 8.2 | 4.5 | 6.8 | 2.7 | 7.4 | 6.7 | 10.5 | 7.4 | 9.5 | 5.9 | 4.8 | <1 | 0.56 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5.0 | 4.1 | 2.8 | 3.6 | 2.7 | <1 | 2.7 | 2.0 | 1.9 | 1.7 | 1.4 | 1.3 | 1.5 | 2.2 | 2.4 | 2.0 | 3.3 | <1 | <0.5 | 1.1 |
| Freon-11 | 150 | <2 | <2 | | | | | | | | | | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | | | | | | | | | | | | | | 1.6 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 1.2 | 3.2 | 2.1 | 2.7 | 1.5 | 3.1 | 2.4 | 5.4 | 2.1 | 3.6 | 1.6 | 1.4 | 9.2 | 10 | 9.8 | 4.4 | <1 | 0.87 | 4.9 |
| Total Halogenated Hydrocarbons | | 67 | 100 | 59 | 84 | 33 | 83 | 80 | 121 | 80 | 113 | 68 | 53 | 49 | 48 | 42 | 44 | 4.5 | 5.1 | 20 |
| Total Concentration of VOCs | | 67 | 100 | 59 | 84 | 33 | 83 | 80 | 121 | 80 | 113 | 68 | 53 | 49 | 48 | 42 | 44 | 4.5 | 5.1 | 20 |

# Table 5-1 (Cont'd)
# Bevalac Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-97-13 (Cont'd) Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Jan-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Dec-06 | Feb-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | 2.4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 3.9 | | | | | 1.0 | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 8.6 | 8.9 | 7.7 | 9.5 | 9.2 | 9.7 | 9.3 | 8.7 | 11.4 | 8.6 | 8.3 | 8.3 | 7.7 | 7.3 | 8.0 | 6.8 | 8.0 | 9.3 | 6.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 11.5 | 12.3 | 1.1 | 12.1 | 9.8 | 11.9 | 10 | 8.8 | 7.4 | 13.9 | 5.2 | 6.4 | 4.2 | 5.3 | 3 | <1 | 3.5 | 6.1 | 1.7 |
| cis-1,2-Dichloroethene | 6 | 4.8 | 5.0 | 3.6 | 5.4 | 4.6 | 5.5 | 5.0 | 3.9 | 3.6 | 5.0 | 2.8 | 3.5 | 2.6 | 4.0 | 3.6 | 2.3 | 2.6 | 3.7 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | 3.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.7 | 1.7 | 1.5 | 3.4 | 1.1 | <1 | <1 | 1.1 | <1 | 1.6 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 8.4 | 5.2 | 2.2 | 2.1 | 4.0 | 13.2 | 13.7 | 6.8 | 17.3 | 3.3 | 14.7 | 7.4 | 6.0 | 4.0 | 3.9 | 4.6 | 3.8 | 2.7 | 4.5 |
| Total Halogenated Hydrocarbons | | 35 | 33 | 17 | 36 | 29 | 40 | 38 | 29 | 40 | 32 | 31 | 26 | 21 | 21 | 20 | 14 | 18 | 22 | 14 |
| Total Concentration of VOCs | | 35 | 33 | 21 | 36 | 29 | 40 | 38 | 30 | 40 | 32 | 31 | 26 | 21 | 21 | 20 | 14 | 18 | 22 | 14 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-97-13 (Cont'd) | | | | | | | | | | | 51-97-14 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-07 | Feb-08 | Sep-08 | Mar-09 | Aug-09 | Mar-10 | Sep-10* | Feb-11 | Aug-11 | Feb-12 | Aug-12 | Oct-97 | (D)* | Nov-97 | Feb-98 | May-98* | Nov-98 | Jan-99* | Apr-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | 8.0 | 6.5 | 4.6 | 7.9 | 5.1 | 3.7 | 3.8 | 3.0 | 4.9 | 4.2 | 4.2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 6 | 4.1 | <1 | 8.4 | 3.6 | 2.3 | 0.66 | <1 | 2.4 | 1.8 | 1.6 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.9 | 2.7 | <1 | 4.0 | 1.9 | 1.4 | 0.59 | <1 | 1.3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Freon-11 | 150 | <2 | <2 | | | | | <0.5 | | | | | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | | | | | | | | | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | 5.7 | 2.2 | 2.7 | 2.1 | 1.8 | 1.6 | 1.8 | 1.3 | 1.4 | 1.1 | 1.4 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 26 | 16 | 7.3 | 22 | 12 | 9.0 | 6.9 | 4.3 | 10 | 7.1 | 7.2 | | | | | | | | |
| Total Concentration of VOCs | | 26 | 16 | 7.3 | 22 | 12 | 9.0 | 6.9 | 4.3 | 10 | 7.1 | 7.2 | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-97-14 (cont'd) | | | | | | | | | | | | | 51-97-15 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-00 | Jul-01 | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Aug-10 | Jul-11 | Jul-12 | Oct-97 | Oct-97 | (D)* | Nov-97 | Feb-98 | May-98* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | <5 | <5 | <0.5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-97-15 (Cont'd) Aug-98 | Nov-98 | Jan-99 | Apr-99 | Sep-99 | Nov-99 | Jan-00 | May-00 | Aug-00 | Nov-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Feb-02 | May-02 | Jul-02 | Oct-02 | Jan-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.9 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | 3.9 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | 3.9 |

# Table 5-1 (Cont'd)
# Bevalac Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-97-15 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Apr-03 | Jul-03 | Nov-03 | Feb-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05 | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Feb-09 | Aug-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-97-15 (Cont'd) | | | | | | 51-99-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-10 | Aug-10 | Feb-11 | Aug-11 | Feb-12 | Aug-12 | Nov-99(G) | Dec-99 | (D)* | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Jul-01 | Nov-01 | Mar-02 | May-02 | Aug-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | | | | | | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-99-1 (Cont'd) | | | | | | 51-00-8 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-03 | Jul-04 | Jul-05 | Feb-10 | Feb-11 | Jan-12 | Sep-01 | Sep-02 | Nov-02 | (D)* | Feb-03 | Apr-03 | Aug-03 | Nov-03 | Mar-04 | May-04 | Sep-04 | Nov-04 | Mar-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | <5 | <5 | <50 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 8.7 | 6.3 | <10 | 5.6 | 5.1 | 4.6 | 5.4 | 5.6 | 4.6 | 4.9 | 5.4 | 4.7 | 4.3 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 5.8 | 3.3 | <10 | 2.7 | 1.4 | 1.2 | <1 | 2.3 | 1.9 | 2.5 | 3.0 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 8.3 | 6.1 | <10 | 7.2 | 4.6 | 4.1 | 7.2 | 7.5 | 5.3 | 6.3 | 6.0 | 5.1 | 3.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | 2.3 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | | | | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.8 | <1 | <10 | 1.2 | 1.5 | 1.5 | 2.1 | 2.1 | <1 | 1.1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 27 | 16 | | 17 | 13 | 11 | 15 | 18 | 14 | 15 | 14 | 9.8 | 8.2 |
| Total Concentration of VOCs | | | | | | | | 27 | 16 | | 17 | 13 | 11 | 15 | 18 | 14 | 15 | 14 | 9.8 | 8.2 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-00-8 (Cont'd) May-05 | Aug-05 | Oct-05 | Feb-06 | Apr-06 | Jul-06 | Oct-06 | Feb-07 | May-07 | Sep-07* | Oct-07 | Feb-08 | Apr-08 | Sep-08 | Oct-08 | Feb-09 | May-09 | Aug-09 | Oct-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 5.0 | 4.5 | 4.5 | 4.5 | 4.2 | 4.2 | 4.2 | 4.4 | 4.4 | 4.4 | 4.2 | 3.9 | 4.2 | 3.8 | 3.8 | 3.0 | 3.1 | 3.9 | 4.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 2.3 | <1 | <1 | 1.4 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.8 | 4.6 | 6.6 | 1.4 | 3.8 | 5.2 | 4.7 | 1.7 | 3.1 | 5.9 | 4.5 | 3.5 | 4.3 | 3.4 | 3.5 | 2.6 | 2.7 | 3.7 | 2.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | | | | | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.8 | 9.1 | 15 | 5.9 | 8.0 | 11 | 8.9 | 6.1 | 7.5 | 13 | 8.7 | 7.4 | 8.5 | 7.2 | 7.3 | 5.6 | 5.8 | 7.6 | 6.0 |
| Total Concentration of VOCs | | 9.8 | 9.1 | 15 | 5.9 | 8.0 | 11 | 8.9 | 6.1 | 7.5 | 39≈ | 8.7 | 7.4 | 8.5 | 7.2 | 7.3 | 5.6 | 5.8 | 7.6 | 6.0 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-00-8 (Cont'd) | | | | | | | | | | | 51-00-9 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-10 | May-10 | Sep-10* | Nov-10* | Mar-11 | May-11* | Aug-11 | Nov-11 | Feb-12* | May-12 | Sep-12 | Apr-01 | (D)* | Sep-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Oct-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 2.1 | 1.7 | 1.3 | 1.1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | | <2 | | <2 | <2 | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | | <2 | | <2 | <2 | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | | <1 | | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | 1.7 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 2.1 | 3.4 | 1.3 | 1.1 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 3.4 | 3.7 | 3.6 | 3.7 | 3.5 | 3.8 | 3.2 | 3.2 | 2.5 | 2.9 | 2.9 | 3.0 | 2.6 | 2.7 | 3.1 | 2.6 | 3.5 | 2.6 | 2.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | 0.62 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.3 | 1.5 | 2.0 | 2.0 | <1 | 1.3 | 2.8 | 1.8 | 3.6 | 1.2 | <1 | 8.2 | 7.5 | 8.0 | 10.5 | 9.8 | 9.6 | 11 | 8.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.59 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 3.4 | 2.8 | 2.1 | 1.8 | 1.3 | <1 | <1 | <1 |
| Freon-11 | 150 | | | <0.5 | <0.5 | | <0.5 | | | <0.5 | | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 5.3 | 0.73 | 1.3 | 1.9 | 1.2 | 2.8 | 2.0 | 1.4 |
| Total Halogenated Hydrocarbons | | 4.7 | 5.2 | 5.6 | 5.7 | 3.5 | 5.1 | 6.0 | 5.0 | 6.7 | 4.1 | 2.9 | 20 | 14 | 14 | 17 | 15 | 16 | 16 | 12 |
| Total Concentration of VOCs | | 4.7 | 5.2 | 5.6 | 5.7 | 3.5 | 5.1 | 6.0 | 5.0 | 6.7 | 4.1 | 2.9 | 22 | 18 | 15 | 18 | 15 | 16 | 16 | 12 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-00-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Apr-03 | Aug-03 | Dec-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 | May-05 | Aug-05 | Aug-07 | Jan-08 | Sep-08 | Feb-09 | Sep-09 | Mar-10 | Aug-11 | Mar-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.6 | 2.4 | 2.9 | 2.4 | 2.4 | 2.4 | 3.3 | 2.7 | 2.5 | 2.9 | 3.2 | 2.3 | 2.3 | 2.8 | 1.7 | 1.8 | 1.6 | 1.8 | 1.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 10 | 10.7 | 12.9 | 9.1 | 8.4 | 12 | 15.3 | 11.6 | 15.2 | 19.4 | 20.5 | 20.7 | 31.6 | 45.6 | 43.3 | 45.1 | 40.8 | 40.9 | 27.6 | 12.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | 3.0 | 2.5 | 2.1 | 2.3 | 2.3 | 1.6 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 5.5 | 1.7 | 1.0 | <1 | <1 | <1 | 1.0 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | 1.9 | <1 | <1 | <1 | 2.1 | 1.1 | <1 | 2.1 | 2.0 | 2.3 | <1 | 1.5 | 2.0 | 1.2 | 1.2 | 1.2 | 2.7 | 2.2 | <1 |
| Total Halogenated Hydrocarbons | | 13 | 15 | 16 | 12 | 11 | 17 | 20 | 14 | 20 | 24 | 26 | 23 | 39 | 59 | 50 | 51 | 46 | 48 | 33 | 14 |
| Total Concentration of VOCs | | 13 | 15 | 16 | 12 | 11 | 17 | 20 | 14 | 20 | 24 | 26 | 23 | 39 | 59 | 50 | 51 | 46 | 48 | 33 | 16≈ |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-00-10 Apr-01 | (D)* | Sep-01 | Nov-01 | Feb-02 | Jun-02 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Aug-03 | Dec-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 | May-05 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <05 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 9.7 | 9.7 | 7.9 | 8.4 | 6.6 | 8.2 | 5.2 | 6.9 | 5.9 | 5.2 | 6.3 | 6 | 5.8 | 5.3 | 5.8 | 4.4 | 4.6 | 5.4 | 5.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.6 | 5.8 | 3.3 | 3.8 | 1.8 | 1.6 | 2.6 | 2.5 | 3.4 | 2.7 | 3.7 | 4.2 | 4.3 | 3.4 | 4.0 | 2.7 | 3.5 | 4.2 | 4.0 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.76 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 8.9 | 3.7 | 1.6 | <1 | 1.5 | <1 | 2.3 | 1.1 | <1 | <1 | 2.5 | 1.7 | <1 | 1.1 | 1.6 | 1.3 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 24 | 20 | 13 | 12 | 9.9 | 9.8 | 10 | 12 | 9.3 | 7.9 | 13 | 12 | 10 | 9.8 | 11 | 8.4 | 8.1 | 9.6 | 9.7 |
| Total Concentration of VOCs | | 24 | 20 | 13 | 12 | 9.9 | 9.8 | 10 | 12 | 9.3 | 7.9 | 13 | 12 | 10 | 9.8 | 11 | 8.4 | 8.1 | 9.6 | 9.7 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-00-10 (Cont'd) | | | | | | | | | | 51A-01-11 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-06 | Aug-07 | Jan-08 | Sep-08 | Feb-09 | Sep-09 | Mar-10 | Aug-11 | Mar-12 | Sep-12 | Oct-01 | (D)* | Feb-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 4.6 | 4.5 | 4.3 | 3.9 | 3.5 | 3.4 | 2.8 | <1 | 2.2 | 1.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.2 | 14.9 | 19.2 | 23.4 | 22.4 | 24.5 | 18.1 | 2.2 | 11.7 | 5.6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | | | | | | | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | 1.6 | 1.9 | <1 | <1 | <1 | 2.3 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.8 | 19 | 24 | 29 | 28 | 28 | 21 | 2.2 | 16 | 8.9 | | | | | | | | | |
| Total Concentration of VOCs | | 9.8 | 19 | 24 | 29 | 28 | 28 | 21 | 2.2 | 16 | 12≈ | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51A-01-11 (Cont'd) | | | | | | | | | | | | | | | 51A-01-11R | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-03 | Feb-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jul-05 | Jul-06 | Jul-07 | Oct-07 | Oct-08 | Dec-09 | Dec-10 | Oct-11 | Feb-12* | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | 105 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 105 | | 1.6 | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | <0.5 | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | 105 | | 1.6 | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51B-93-18A | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-94* | (D) ^ | Sep-94 | Dec-94* | Mar-95* | Jun-95* | (D)* | (S)* | Aug-95 | Nov-95 | Feb-96 | Jun-96 | Sep-96 | Dec-96* | Mar-97 | Jun-97 | Mar-98 | Sep-98 | Feb-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <10 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <150 | <30 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.8 | <5 | 1.7 | 1.2 | <0.5 | 1.4 | 1.2 | 1.4 | 2.8 | 4.2 | 1.3 | 3.7 | 2.0 | 2.3 | 3.1 | 1.9 | 2.9 | 1.3 | 5.6 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.6 | 3.0 | <1 | 2.1 | <1 | 1.5 | 1.6 | 1.3 | 2.0 | <1 | 2.7 |
| cis-1,2-Dichloroethene | 6 | 8.6 | 13 | 4.0 | 3.8 | <0.5 | 6.7 | 5.0 | 6.3 | 18.1 | 21.9 | 2.5 | 19.6 | 6.5 | 8.0 | 12.1 | 7.7 | 11.1 | 4.8 | 14.7 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.2 | 1.6 | <1 | 1.2 | <1 | 0.7 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.0 | <5 | <1 | 0.76 | 0.55 | 0.68 | <0.5 | <0.5 | <1 | <1 | 4.2 | 2.1 | 2.7 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <5 | <1 | 3.8 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12 | 14 | 16.4 | 5.6 | 2.4 | 7.0 | 5.2 | 6.3 | 23.5 | 34.6 | 5.4 | 22 | 13.3 | 35 | 24.9 | 73.3 | 69.8 | 49.9 | 48.5 |
| Freon-11 | 150 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <0.5 | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <1 | <1 | 1.2 |
| Vinyl Chloride | 0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | <1 | <1 | <1 | <1 | 0.63 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 23 | 27 | 22 | 15 | 3.0 | 16 | 11 | 14 | 49 | 65 | 13 | 51 | 25 | 48 | 42 | 84 | 86 | 56 | 73 |
| Total Concentration of VOCs | | 23 | 27 | 22 | 15 | 3.0 | 16 | 11 | 14 | 49 | 65 | 13 | 51 | 25 | 48 | 42 | 84 | 86 | 56 | 73 |

# Table 5-1 (Cont'd)
# Bevalac Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51B-93-18A (Cont'd)) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04* | Aug-04 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | May-07 | Aug-07 | Feb-08 | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.7 | 2.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | 1.7 | 2.5 | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 7.2 | 6.9 | 1.9 | 2.8 | 7.1 | 9.6 | 2.4 | 10.9 | 6.3 | 11 | 7.2 | 7.1 | 7.8 | 15.4 | 11.9 | 8.0 | 10.4 | 8.5 | 9.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 3.2 | 3.6 | <1 | <1 | 4.6 | 6.6 | <1 | 6.1 | 2.4 | 7.4 | 3.7 | 3.8 | 1.9 | 9.2 | 3.2 | 1.2 | <1 | <1 | 0.9 |
| cis-1,2-Dichloroethene | 6 | 10.1 | 13 | 5.2 | 4.0 | 13.8 | 15.5 | 1.8 | 19.7 | 13 | 21 | 16 | 14.8 | 12.9 | 29.8 | 38.7 | 22.1 | 27.6 | 22.6 | 23 |
| trans-1,2-Dichloroethene | 10 | 1.2 | 1.5 | <1 | <1 | 1.6 | 1.5 | <1 | 2.4 | 1.4 | 2.9 | 2.1 | 2.6 | 1.7 | 4.8 | 4.0 | 1.3 | 2.6 | 2.1 | 2.4 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1.4 | 1.7 | <1 | <1 | 2.1 | 1.9 | <1 | 3.2 | 1.1 | 3.3 | 1.7 | <1 | <1 | 4.1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 61.8 | 45 | 28.4 | 12.5 | 59.4 | 67.6 | 8.1 | 92 | 46 | 95 | 73.8 | 62.6 | 46.5 | 138 | 27 | 13.3 | <1 | <1 | <0.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | 1.9 | <0.5 | 1.2 | <1 | <1 | <1 | 1.5 | 10 | 2.4 | 4.5 | 4.0 | 4.7 |
| Total Halogenated Hydrocarbons | | 87 | 73 | 36 | 19 | 89 | 103 | 12 | 136 | 70 | 142 | 105 | 91 | 71 | 203 | 95 | 48 | 45 | 37 | 40 |
| Total Concentration of VOCs | | 87 | 73 | 36 | 19 | 89 | 103 | 12 | 136 | 72 | 144 | 105 | 91 | 71 | 203 | 95 | 48 | 45 | 37 | 40 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51B-93-18A (Cont'd)) | | | | | | | | | | | | | | 51L-01-5A | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-08 | Aug-08 | Feb-09 | (D)* | Jul-09 | Feb-10 | (D)* | Aug-10* | Mar-11 | (D)* | Jul-11 | Feb-12 | (D)* | Jul-12* | Sep-01 | Jan-02 | (D)* | May-02 | Aug-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | | | <2 | | <2 | <2 | | | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | | | <2 | | <2 | <2 | | | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | | | <1 | | <1 | <1 | | | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 6.9 | 6.4 | 4.8 | 5.0 | 6.4 | 3.2 | 4.3 | 4.7 | 3.3 | 3.9 | 4.3 | 2.4 | 2.2 | 1.1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 46.3 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.2 | 9.6 | 7.5 | 7.3 | 12.8 | 34.7 | 30 | 30 | 49.1 | 49 | 8.3 | 24.3 | 16 | 85 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 1.9 | <1 | 2.2 | 1.2 | 6.0 | 9.2 | 7.9 | 9.1 | 9.4 | 10 | <1 | <1 | 1.0 | 18 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | 2.7 | 2.6 | 2.9 | 4.1 | 8.7 | 9.7 | 7.9 | 7.9 | 9.5 | 6.0 | 3.8 | 3.2 | 12 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-11 | 150 | | | | <0.5 | | | <0.5 | <0.5 | | <0.5 | | | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.5 | <1 | <1 | <0.5 | <1 | 1.7 | 2.1 | 1.3 | 1.1 | 1.2 | 1.1 | <1 | <0.5 | 1.2 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 24 | 19 | 17 | 16 | 29 | 58 | 54 | 53 | 71 | 74 | 66 | 31 | 22 | 117 | | | | | |
| Total Concentration of VOCs | | 24 | 19 | 17 | 16 | 29 | 58 | 54 | 53 | 71 | 74 | 66 | 31 | 22 | 117 | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51L-01-5A (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Nov-03 | Mar-04 | May-04 | Jul-04 | Nov-04 | Jan-05 | May-05 | Oct-05 | Nov-06 | Oct-07 | Oct-08 | Oct-09 | Nov-10 | Oct-11 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.4 | 1.9 | 1.0 | <1 | 1.2 | 1.6 | 1.3 | 2.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 2.5 | 3.7 | 3.0 | 2.2 | 1.6 | 2.0 | 2.6 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 3.3 | 3.7 | 5.9 | 5.2 | 6.7 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | 3.3 | 4.9 | 7.0 | 4.0 | 5.5 | 6.5 | 9.5 | 9.1 | 11 |
| Total Concentration of VOCs | | | | | | | | | | | | 3.3 | 4.9 | 7.0 | 4.0 | 5.5 | 6.5 | 9.5 | 9.1 | 11 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51L-01-5B | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-01 | Nov-01 | (D)* | Feb-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | May-04 | Jul-04 | Nov-04 | Jan-05 | May-05 | Jul-05 | Oct-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51L-01-5B (Cont'd) | | | | | | | 51L-01-6R | 51L-01-7R | 56-98-2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Oct-07 | Oct-08 | Oct-09 | Nov-10 | Oct-11 | Jul-12 | Jul-12 | Jul-12 | Jul-98 | (D)* | Nov-98 | Feb-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 0.61 | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 0.97 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 2.3 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.0 | 5.2 | 2.1 | 1.1 | <1 | 1.1 | <1 | <1 | 1.4 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | 2.7 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.6 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | | | | | | | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 7.4 | 9.1 | 28.5 | 40.3 | 14.3 | 31.8 | 10.9 | 18.1 | 15.8 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | 17 | 22 | 36 | 41 | 14 | 33 | 11 | 18 | 17 |
| Total Concentration of VOCs | | | | | | | | | | | 17 | 22 | 36 | 41 | 14 | 33 | 11 | 18 | 17 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 56-98-2 (Cont'd) Aug-00 | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Aug-02 | Jan-03 | Aug-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.2 | 3.1 | 2.6 | 1.2 | 1.2 | 1.7 | 1.5 | 2.5 | 1.9 | 2.1 | 1.9 | 1.8 | 1.5 | 2.1 | 2.0 | 1.7 | 2.2 | 2.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.8 | 4.7 | 4.4 | 2.7 | 2.4 | 1.6 | 2.1 | 3.5 | 4.9 | 4.2 | 3.3 | 5.2 | 2.9 | 2.6 | 3.5 | 1.6 | 4.1 | 3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.7 | 1.8 | 1.2 | 1.5 | <1 | <1 | 1.8 | 2.4 | 2.3 | 1.8 | 2.1 | <1 | <1 | 2.1 | 1.5 | 2.6 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.4 | 1.4 | <1 | <1 | <1 | <1 | <1 | 1.2 | 0.95 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 3.9 | 2 | 3.3 | 7.1 | 2.7 | 1.5 | 1.8 | 1.2 | 1.4 | <1 | 0.98 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.9 | 5.0 | 14 | 17 | 7.8 | 6.6 | 5.1 | 4.8 | 9.2 | 10 | 11 | 8.1 | 10 | 4.4 | 4.7 | 7.6 | 4.8 | 8.9 | 7.4 |
| Total Concentration of VOCs | | 3.9 | 5.0 | 14 | 17 | 7.8 | 6.6 | 5.1 | 4.8 | 9.2 | 10 | 11 | 8.1 | 10 | 4.4 | 4.7 | 7.6 | 4.8 | 8.9 | 7.4 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 56-98-2 (Cont'd) | | | | | 63-98-18 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Mar-99 | (D)* | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Feb-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | 1.9 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.3 | 2.3 | 2.1 | 2.0 | 1.8 | <1 | 0.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.3 | 2.9 | 3.1 | 2.4 | 2.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.2 | 2.0 | 2.0 | 2.0 | 1.7 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | | | | | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | 1.4 | 2.2 | 2.0 | <1 | 2.0 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 | 4.8 | 1.9 | 1.8 | 1.7 |
| Total Halogenated Hydrocarbons | | 8.8 | 7.2 | 7.2 | 6.4 | 6.0 | 1.4 | 3.0 | 2.0 | | 3.9 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 | 4.8 | 1.9 | 1.8 | 1.7 |
| Total Concentration of VOCs | | 8.8 | 7.2 | 7.2 | 6.4 | 6.0 | 1.4 | 3.5≈ | 2.0 | | 3.9 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 | 4.8 | 1.9 | 1.8 | 1.7 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 63-98-18 (Cont'd) | | | | | | | | | | | | | | | 64-97-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-02 | Aug-02 | Feb-03 | Jul-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Aug-10 | Jul-11 | Aug-12 | Jul-97 | (D)* | Nov-97 | Mar-98 | May-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.87 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.0 | 8.2 | 4.6 | 5.6 | 5.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | | | | | | | | | | | 5.0 | 9.1 | 4.6 | 5.6 | 5.5 |
| Total Concentration of VOCs | | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | | | | | | | | | | | 5.0 | 9.1 | 4.6 | 5.6 | 5.5 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 64-97-1 (Cont'd) Sep-98 | Nov-98 | Feb-99 | May-99 | Mar-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Aug-03 | Aug-04 | Aug-05 | Jul-06 | Jul-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Jul-12* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 2.2 | 2.8 | 2.6 | 2.8 | 3.9 | 3.4 | 2.7 | 4.1 | 2.3 | 4.1 | 4.4 | 3.9 | 3.9 | 2.9 | 3.1 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 2.2 | 2.8 | 2.6 | 2.8 | 3.9 | 3.4 | 2.7 | 4.1 | 2.3 | 4.1 | 4.4 | 3.9 | 3.9 | 2.9 | 3.1 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 |
| Total Concentration of VOCs | | 2.2 | 2.8 | 2.6 | 2.8 | 3.9 | 3.4 | 2.7 | 4.1 | 2.3 | 4.1 | 4.4 | 3.9 | 3.9 | 2.9 | 3.1 | 3.8 | 3.5 | 3.2 | 3.2 | 3.2 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 64-97-2 Jul-97 | (D)* | Nov-97 | Mar-98 | May-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Feb-03 | Aug-03 | Mar-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | 2.5 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | 1.6 | 1.8 | 1.9 | 2.8 | 3.3 | 3.9 | 2.5 | 3.3 | 1.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.3 | 1.0 | 4.1 | 6.0 | 2.0 | 1.9 | 2.2 | 5.9 | 4.0 | 4.7 | 4.7 | 7.0 | 6.0 | 5.5 | 4.1 | 6.2 | 2.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 0.54 | <1 | 1.7 | 1.8 | <1 | <1 | <1 | 1.9 | 2.2 | 1.6 | 1.9 | 2.5 | 3.1 | 2.6 | 2.2 | 2.5 | 1.4 |
| Freon-11 | 150 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.8 | 1.0 | 5.8 | 10 | 2.0 | 1.9 | 2.2 | 9.7 | 11 | 8.1 | 8.5 | 12 | 12 | 12 | 8.8 | 12 | 5.3 |
| Total Concentration of VOCs | | | 1.8 | 1.0 | 5.8 | 10 | 2.0 | 1.9 | 2.2 | 9.7 | 11 | 8.1 | 8.5 | 12 | 12 | 12 | 8.8 | 15 | 5.3 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 64-97-2 (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Jan-07 | Jul-07 | Feb-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Aug-10 | Mar-11 | Aug-11 | Jan-12 | Jul-12* | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | 3.6 | 5.2 | 6.5 | 7.6 | 5.1 | 6.9 | 6.9 | 5.3 | 4.1 | 3.3 | 3.2 | 2.3 | 2.1 | 1.8 | 1.4 | 1.3 | 1.1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 5.0 | 4.8 | 5.0 | 6.2 | 2.6 | 4.0 | 4.8 | 3.5 | 2.2 | 2.3 | 1.8 | <1 | <1 | 1.2 | <1 | <1 | 0.95 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 1.0 | <1 | <1 | <1 | <1 | 1.0 | 1.2 | 1.7 | 1.4 | 1.6 | 1.4 | <1 | 1.2 | 1.2 | <1 | 1.4 | 1.4 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 3.0 | 3.7 | 3.0 | 3.5 | 1.8 | 2.5 | 3.4 | 3.3 | 3.0 | 2.7 | 2.6 | 1.6 | 1.7 | 1.5 | <1 | 1.4 | 7.2 | 1.2 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | <0.5 | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 13 | 14 | 15 | 17 | 9.5 | 14 | 16 | 14 | 11 | 9.9 | 9.0 | 3.9 | 5.0 | 5.7 | 1.4 | 4.1 | 13 | 1.2 |
| Total Concentration of VOCs | | 13 | 14 | 15 | 17 | 9.5 | 14 | 16 | 14 | 11 | 9.9 | 9.0 | 3.9 | 5.0 | 5.7 | 1.4 | 4.1 | 13 | 1.2 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71-93-2 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | (D) | Dec-94* | Feb-95* | May-95* | Aug-95 | (D)* | Dec-95 | (D)* | Feb-96 | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | 1.3 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | 1.8 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <2 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | 3.1 | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.2 | 1.0 | 1.5 | 2.8 | 2.4 | 2.3 | 2.2 | 1.3 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <5 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | 0.8 | <1 | <1 | <1 | <1 | 20 | 17 | 26 | 65 | 47 | 65.6 | 52 | 53.1 | 11.2 | 11.9 | 13 | 5.4 | 4.8 |
| 1,1-Dichloroethane | 5 | <1 | 1.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | 1.4 | <1 | 3.3 | 1.4 | 0.99 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | 1.3 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | 1.2 | <1 | <1 | 1.0 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 0.9 | 2.1 | 15.3 | 1.0 | <1 | 0.52 | 0.93 | <0.5 | <1 | <0.5 | <1 | <0.5 | 1.2 | 16 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 7.4 | 6.8 | 5.1 | <1 | 2.7 | 2.9 | 1.3 | 1.1 | 1.3 | <1 | <0.5 | <1 | 1.2 | 1.2 | 1.9 | <1 | <1 | 2.5 | 2.4 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.9 | 11 | 24.9 | 9.8 | 11.4 | 12.9 | 5.5 | 3.4 | 2.4 | 3.5 | 3.4 | 2.1 | 2.4 | 1.3 | 22.4 | 7.9 | 10.1 | 16.9 | 10.9 |
| Freon-11 | 150 | 2.0 | <0.5 | 2.4 | <1 | <1 | <1 | 0.87 | 1.3 | 1.8 | <1 | 0.89 | <1 | <0.5 | 1.1 | 1.6 | 1.6 | <2 | <2 | <2 |
| Freon-113 | 1200 | 1604.9 | 1000† | 3816 | 8250 | 4198.7 | 8984.1 | 1200 | 610 | 370 | 593 | 320 | 290 | 260 | 665 | 203 | 306 | 175 | 141 | 140 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,625 | 1,021 | 3,853 | 8,275 | 4,217 | 9,001 | 1,230 | 635 | 403 | 664 | 374 | 360 | 318 | 724 | 257 | 327 | 198 | 167 | 158 |
| Total Concentration of VOCs | | 1,625 | 1,021 | 3,853 | 8,278 | 4,217 | 9,001 | 1,230 | 635 | 403 | 664 | 374 | 360 | 318 | 724 | 257 | 327 | 198 | 167 | 158 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71-93-2 (Cont'd) Sep-97 | Dec-97 | Feb-98 | Jun-98 | (S)* | Sep-98 | Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Jan-03 | Jul-03* | Feb-04 | Jul-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | 4.5 | 4.8 | 2.2 | 1.5 | 1.3 | 1.6 | 1.9 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | 9.6 | 25.1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 0.99 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 1.1 | 1.1 | 2.2 | 4.6 | 4.7 | 2.7 | 2.6 | 3.3 | 4.4 | 5.8 | 2.9 | 3.3 | 1.6 | 1.7 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 8.3 | 10.9 | 7.8 | 11.6 | 13 | 7.4 | 12.8 | 17.1 | 15.0 | 18.6 | 12.7 | 15.7 | 9.4 | 12.9 | 7.4 | 10.7 | 2.1 | 4.8 | <1 |
| Freon-11 | 150 | <2 | <2 | 2.3 | <2 | 3.5 | <2 | <2 | <2 | 2.4 | <2 | <2 | 2.1 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Freon-113 | 1200 | 44.5 | 33.5 | 24.7 | 43.5 | 25 | 20.8 | 38.4 | 20.7 | 20.4 | 11.3 | 14.2 | 17.3 | 12.8 | 6.1 | 9.4 | 5.3 | <0.5 | 4.4 | 3.0 |
| Freon-123A | | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 58 | 50 | 39 | 61 | 48 | 33 | 56 | 41 | 42 | 38 | 30 | 38 | 24 | 21 | 17 | 16 | 2.1 | 19 | 30 |
| Total Concentration of VOCs | | 58 | 50 | 39 | 61 | 48 | 33 | 56 | 41 | 42 | 38 | 30 | 38 | 24 | 21 | 17 | 16 | 2.1 | 19 | 30 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 71-93-2 (Cont'd) | | | | | | 71B-98-13 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-05 | Aug-05 | Dec-08* | Jul-09 | Nov-10 | Oct-11 | Jun-99 | (D)* | Sep-99 | Nov-99 | Mar-00 | May-00 | Jun-00* | Sep-00 | Nov-00 | Mar-01 | (D)* | May-01 | Sep-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <4 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <60 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | 8.6 | 21.1 | 24 | 35.6 | 35.6 | 6.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <6 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | 1.0 | <2 | <1 | 1.1 | 0.98 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | 58 | 45 | 47.5 | 61.1 | 51.6 | 65.8 | 43 | 53.4 | 89.2 | 91.1 | 71 | 68 | 65.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.57 | <1 | <1 | <1 | <1 | 1.5 | <2 | <1 | <1 | 1.8 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.7 | <1 | <0.5 | <1 | <1 | <1 | 146 | 180 | 90.1 | 112 | 36.1 | 104 | 210 | 171.9 | 68.8 | 131.8 | 120 | 149.7 | 106.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 3.3 | 2.0 | 0.9 | 1.4 | <1 | 1.8 | 86.4 | 91 | 81.4 | 79.6 | 50.4 | 120 | 100 | 119.3 | 128.4 | 85.1 | 77 | 71.8 | 88 |
| Freon-11 | 150 | <2 | <2 | <0.5 | | | | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 |
| Freon-113 | 1200 | 3.8 | 3.4 | 0.51 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | | | | | <1 | | <1 | <1 | <1 | <1 | | <2 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | 2.6 | 4.0 | 3.9 | 3.7 | 7.7 | 3.8 | 2.9 | 3.0 | 6.5 | 5.8 | 3.4 | 16 | 5.3 |
| Total Halogenated Hydrocarbons | | 20 | 27 | 25 | 37 | 36 | 8.3 | 293 | 322 | 223 | 256 | 146 | 294 | 358 | 348 | 293 | 315 | 274 | 306 | 266 |
| Total Concentration of VOCs | | 20 | 27 | 25 | 37 | 36 | 8.3 | 293 | 322 | 223 | 256 | 146 | 294 | 358 | 348 | 293 | 315 | 274 | 306 | 266 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71B-98-13 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Nov-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 | Aug-05 | Oct-05 | Feb-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 46.9 | 58.7 | 81 | 74.9 | 63.8 | 57.3 | 61.9 | 52.7 | 30.1 | 5.6 | <1 | 4.1 | <1 | <1 | <1 | 2.4 | 1.4 | 1.8 | 2.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 102.8 | 121.9 | 130.1 | 75.3 | 115 | 143 | 4.8 | 4.1 | 3.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 68 | 90.5 | 88.7 | 71 | 89.8 | 78.1 | 10.6 | 5.9 | 3.8 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 2.8 | 5.9 | 5.3 | 4.1 | 5.2 | 2.9 | 12.9 | 3.4 | 7.9 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | 1.4 |
| Total Halogenated Hydrocarbons | | 222 | 277 | 305 | 225 | 274 | 281 | 90 | 66 | 46 | 5.6 | | 6.0 | | | | 4.1 | 1.4 | 1.8 | 3.7 |
| Total Concentration of VOCs | | 222 | 277 | 305 | 225 | 274 | 281 | 90 | 66 | 46 | 5.6 | | 6.0 | | | | 4.1 | 1.4 | 1.8 | 3.7 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 71B-98-13 (Cont'd) | | | | | | | | | 71B-99-3R | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-08 | Feb-09 | Jul-09 | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Apr-01 | (D)* | Aug-01(G) | Nov-01(G) | Feb-02(G) | May-02 | Aug-02 | Oct-02 | Feb-03 | Apr-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <500 | <3 | <5 | <50 | <5 | <5 | <50 | <50 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <200 | <5 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 5.8 | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <3000 | <3 | <30 | <300 | <30 | <30 | <300 | <300 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <1 | <3 | <300 | <3 | <3 | <30 | <3 | <3 | <30 | <30 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.9 | 5.4 | 6.2 | 5.6 | 2.6 | 2.4 | 5.0 | 6.7 | 8.5 | <100 | 7.2 | 1.9 | <10 | 10.1 | 2.2 | <10 | <10 | 4.4 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <100 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1190.5 | 900 | 667 | 385.4 | 1306 | 677 | 368.5 | 396.2 | 1550 | 915 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 180.7 | 25 | 9.9 | <10 | 35.2 | 16.3 | <10 | <10 | 25.5 | 13.5 |
| Freon-11 | 150 | | | | | | <0.5 | | | | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Freon-123A | | | | | | | | | | | <100 | | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | 2.9 | 2.2 | 2.3 | 2.3 | <1 | 1.2 | 1.6 | 1.7 | 1.6 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11 | 7.6 | 8.5 | 7.9 | 2.6 | 3.6 | 6.6 | 8.4 | 10 | 1,371 | 932 | 679 | 385 | 1,351 | 696 | 369 | 396 | 1,580 | 932 |
| Total Concentration of VOCs | | 11 | 7.6 | 8.5 | 7.9 | 2.6 | 3.6 | 6.6 | 8.4 | 10 | 1,371 | 944≈ | 679 | 385 | 1,351 | 696 | 369 | 396 | 1,580 | 932 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71B-99-3R (Cont'd) Sep-03 | Nov-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 | May-05 | Aug-05 | Nov-05 | Feb-06 | Apr-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | 16.2 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <50 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | 22.4 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 38.6 | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <300 | <30 | <300 | <30 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 0.55 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <3 | <30 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 153 | 198 | 156 | 89.9 | 60 | <10 | 38.6 | 20.4 | 11.6 | 11.5 | 15.2 | <1 | 4.7 | 4.1 | 8.5 | 7.2 | 8.7 | 4.8 | 4.7 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 238 | 61.9 | 245 | 148 | 129 | 253 | 8.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 54.3 | 19.8 | 360 | 313 | 261 | 112 | 20.5 | 3.9 | 2.7 | 3.8 | 5.1 | <1 | 2.2 | <1 | 2.2 | 1.6 | 1.8 | 1.7 | 1.7 |
| Freon-11 | 150 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | 16.1 | 67.1 | 20.7 | <10 | <10 | 11 | 3.6 | 6.4 | 6.0 | 9.9 | <1 | 2.4 | 2.6 | 6.6 | 4.1 | 4.9 | 2.2 | 1.5 |
| Total Halogenated Hydrocarbons | | 445 | 296 | 828 | 572 | 450 | 365 | 79 | 28 | 21 | 21 | 30 | | 9.3 | 6.7 | 17 | 13 | 15 | 8.7 | 7.9 |
| Total Concentration of VOCs | | 484 | 296 | 828 | 572 | 450 | 365 | 79 | 28 | 21 | 21 | 30 | | 9.3 | 6.7 | 17 | 13 | 15 | 8.7 | 7.9 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71B-99-3R (cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-06 | Jan-07 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Aug-07 | Nov-07 | Jan-08 | Feb-08 | Mar-08 | May-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.5 | 9.2 | 15.3 | <1 | <1 | 3.4 | 2.2 | 2.6 | <1 | 8.0 | 9.9 | <1 | 31.4 | 11.4 | <1 | 1.6 | <1 | 2.3 | 2.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 13.8 | <1 | <1 | <1 | <1 | 0.52 | <1 | 1.9 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.7 | 2.3 | 5.6 | <1 | <1 | 1.6 | 1.3 | <1 | <1 | 7.1 | 22.2 | <1 | 14.7 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | <0.5 | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.5 | 5.9 | 4.5 | <1 | <1 | <1 | 1.3 | <1 | <1 | 1.1 | 2.9 | <1 | 7.0 | 4.2 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11 | 17 | 25 | | | 5.0 | 4.8 | 2.6 | | 16 | 49 | | 53 | 16 | | 2.1 | | 4.2 | 2.7 |
| Total Concentration of VOCs | | 11 | 17 | 25 | | | 5.0 | 4.8 | 2.6 | | 16 | 49 | | 53 | 16 | | 2.1 | | 4.2 | 2.7 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71B-99-3R (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.2 | <1 | 2.9 | 13 | 25.6 | 6.2 | 6.7 | <1 | <1 | <1 | 1.2 | <1 | 7.6 | 25.4 | 15.6 | 18.9 | 18.3 | 21.6 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.8 | <1 | 6.7 | 26.3 | 219 | 15 | 25.8 | 1.1 | <1 | 1.7 | 8.4 | 2.0 | 40.2 | 119 | 52 | 37.4 | 5.8 | 2.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.5 | <1 | 6.3 | 30.3 | 124 | 31.1 | 20.1 | <1 | <1 | <1 | 2.9 | <1 | 24.2 | 67.2 | 40 | 32.1 | 6.6 | 1.8 |
| Freon-11 | 150 | <0.5 | | | | | | | | | | | | | | | | | |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 0.61 | <1 | <1 | <1 | 3.3 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | 3.2 | 2.3 | 1.4 | 1.9 |
| Total Halogenated Hydrocarbons | | 9.1 | | 16 | 70 | 372 | 52 | 54 | 1.1 | | 1.7 | 13 | 2.0 | 72 | 216 | 111 | 91 | 32 | 28 |
| Total Concentration of VOCs | | 9.1 | | 16 | 70 | 372 | 52 | 54 | 1.1 | | 1.7 | 13 | 2.0 | 72 | 216 | 111 | 91 | 32 | 28 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 71B-99-3R (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Nov-11* | Jan-12 | Mar-12 | May-12^ | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 0.6 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <1 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.76 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 15.8 | 7.8 | 6.9 | 11.9 | 34 | 21.4 | 47.4 | 30.4 | <1 | 6.8 | 1.4 | 6.2 | <0.5 | <1 | <1 | <0.5 | 1.5 | 13.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 2.1 | <1 | 1.3 | <1 | 1.3 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.0 | 1.4 | 3.4 | <1 | 4.8 | 5.3 | <1 | 1.4 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | 1.3 |
| Freon-11 | 150 | | | | | <0.5 | | | | | | | | <0.5 | | | <0.5 | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.6 | 1.2 | 1.4 | 1.1 | 2.6 | 1.6 | 4.8 | 1.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | 2.0 |
| Total Halogenated Hydrocarbons | | 21 | 9.0 | 11 | 14 | 41 | 23 | 57 | 39 | | 8.2 | 1.4 | 6.2 | 0.8 | | | | 1.5 | 17 |
| Total Concentration of VOCs | | 21 | 9.0 | 11 | 14 | 42 | 23 | 57 | 39 | | 8.2 | 1.4 | 6.2 | 0.8 | | | | 1.5 | 17 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-3 Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | (D) | Jun-94 | Aug-94 | Nov-94* | Mar-95* | Jun-95* | Sep-95 | Dec-95 | (S)* | Feb-96 | Aug-96 | Dec-96 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <0.5 | <2 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | 4.2 | <1 | <0.5 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | 84.9 | 40 | 32 |
| 1,1-Dichloroethane | 5 | 11.2 | 2.6 | 5.5 | 2.8 | 5.7 | 3.4 | 3.2 | 2.4 | 1.8 | 3.1 | 2.7 | 2.6 | 2.7 | 2.6 | 2.6 | 3.4 | <1 | <1 | 0.97 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 10.9 | 1.5 | 3.0 | 1.8 | 1.9 | 3.0 | 2.9 | 1.3 | 1.2 | 1.7 | 1.5 | 1.7 | 1.8 | 1.8 | 1.3 | 1.5 | <1 | <1 | 0.59 |
| cis-1,2-Dichloroethene | 6 | 16.5 | 8.5 | 19.6 | 13.8 | 16.2 | 16.7 | 13.5 | 11.5 | 13.4 | 13 | 13 | 14 | 20.7 | 22.1 | 17 | 24.5 | <1 | 11 | 12 |
| trans-1,2-Dichloroethene | 10 | 9.4 | 1.2 | 2.3 | 1.4 | <1 | 2.1 | 1.8 | 1.0 | 1.3 | 1.6 | 1.6 | 1.6 | 2.1 | 2.3 | 1.7 | <1 | <1 | <1 | 0.94 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 26.7 | 27.5 | 32.7 | 21.3 | 25.1 | 28 | 26.9 | 14.6 | 22.2 | 20 | 19 | 19 | 21.3 | 25.2 | 19 | 20.8 | <1 | 10.6 | 12 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 14.6 | 10.7 | 21 | 13.8 | 13.4 | 20.3 | 19.7 | 9.7 | 19.2 | 15 | 16 | 18 | 22.1 | 24.6 | 21 | 26.6 | <1 | 18.4 | 17 |
| Freon-11 | 150 | <1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <2 | <2 | <0.5 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 6.1 | 3.3 | 10.2 | 4.5 | 6.0 | 5.8 | 5.3 | 1.7 | <1 | 2.2 | 2.5 | 2.8 | 3.1 | 2.2 | 3.8 | 3.6 | <1 | <1 | 0.64 |
| Total Halogenated Hydrocarbons | | 95 | 55 | 94 | 59 | 68 | 79 | 73 | 42 | 59 | 57 | 56 | 60 | 74 | 81 | 66 | 80 | 89 | 80 | 76 |
| Total Concentration of VOCs | | 95 | 55 | 94 | 59 | 68 | 79 | 73 | 42 | 59 | 57 | 56 | 60 | 74 | 81 | 68≈ | 80 | 89 | 80 | 76 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-3 (Cont'd) Mar-97 | (D)* | Sep-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Feb-03 | Jul-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | 22.4 | 18.0 | 10.3 | 13.5 | 5.0 | 4.8 | 6.5 | 3.9 | 3.1 | <3 | 3.4 | <3 | <3 | <3 | 1.8 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.0 | <1 | 1.6 | 1.2 | 1.1 | 2.0 | 1.6 | 1.3 | 1.5 | 1.9 | 2.0 | 1.6 | 1.6 | 1.6 | 1.7 | 1.1 | <1 | 1.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | 0.78 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.8 | 14 | 13.6 | 20.8 | 16.3 | 18.2 | 14.8 | 15.4 | 15.9 | 13.6 | 17.5 | 15.7 | 15.6 | 13.4 | 16 | 12.1 | 11.2 | 10 | 11.8 |
| trans-1,2-Dichloroethene | 10 | <1 | 1.1 | <1 | 1.4 | <1 | <1 | 1.1 | 1.1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 0.83 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 10.3 | 13 | 11.9 | 19.6 | 14.4 | 13.6 | 11.8 | 14.3 | 9.7 | 9.2 | 12.3 | 9.4 | 9.5 | 8.9 | 9.1 | 6.3 | 7.9 | 7.6 | 7.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.1 | 22 | 18.1 | 31 | 19.2 | 18 | 18.2 | 16 | 13 | 12.1 | 16 | 13.1 | 12.5 | 10.9 | 11 | 8.8 | 10.1 | 8.4 | 8.1 |
| Freon-11 | 150 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 0.92 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.59 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 66 | 71 | 54 | 88 | 56 | 56 | 54 | 52 | 43 | 36 | 53 | 40 | 39 | 35 | 42 | 29 | 30 | 26 | 29 |
| Total Concentration of VOCs | | 66 | 71 | 54 | 88 | 56 | 56 | 54 | 52 | 43 | 36 | 53 | 40 | 39 | 35 | 42 | 29 | 30 | 26 | 29 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW90-3 (Cont'd) | | | | | | | | | | | | | | MW90-4 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-06 | Jul-06 | Feb-07 | Sep-07* | Feb-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Aug-10 | Mar-11 | Aug-11 | Feb-12 | Aug-12 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <5 | <5 | <5 | <5 | <5 |
| Chloroform | 80 | <3 | <3 | <3 | 0.73 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.3 | 1.2 | 1.4 | 1.4 | 1.1 | 1.3 | <1 | 1.5 | 1.3 | 1.4 | 1.3 | 1.2 | 1.3 | 1.5 | 11.4 | 1.9 | 3.2 | 2.3 | 2.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 10.7 | 10.4 | 8.6 | 7.5 | 7.4 | 6.7 | 6.5 | 5.4 | 5.2 | 5.0 | 3.9 | 3.7 | 3.4 | 3.8 | <5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | 0.65 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.5 | 6.2 | 6.1 | 6.2 | 6.5 | 5.6 | 5.5 | 4.5 | 5.0 | 4.6 | 4.9 | 4.0 | 4.2 | 3.5 | <5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.5 | 7.8 | 7.2 | 6.8 | 7.1 | 6.7 | 5.5 | 5.2 | 5.5 | 4.6 | 5.3 | 4.6 | 4.9 | 4.4 | <5 | 1.1 | 1.6 | 1.3 | 1.5 |
| Freon-11 | 150 | <2 | <2 | <2 | <0.5 | <2 | | | | | | | | | | <1.1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 28 | 26 | 23 | 24 | 22 | 20 | 18 | 17 | 17 | 16 | 15 | 14 | 14 | 13 | 11 | 3.0 | 4.8 | 3.6 | 3.8 |
| Total Concentration of VOCs | | 28 | 26 | 23 | 24 | 22 | 20 | 18 | 17 | 17 | 16 | 15 | 14 | 14 | 13 | 11 | 3.0 | 4.8 | 3.6 | 3.8 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-4 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-94 | May-94 | Aug-94 | Dec-94* | Feb-95* | Jun-95* | Sep-95 | Nov-95 | Feb-96 | Jun-96 | Sep-96 | Dec-96 | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | 1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 2 | | | | | | | | | | | | | | | | 5 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | 1.3 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.8 | 2.1 | 1.0 | 2.1 | 2.2 | 1.9 | <1 | 1.7 | <1 | <1 | 1.1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | 1.8 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | 1.1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.8 | 1.3 | 1.4 | 1.0 | 1.2 | 0.96 | <1 | 1.7 | <1 | <1 | <1 | 1.0 | <1 | <1 | 1.4 | <1 | <1 | 2.8 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | 2.5 | 1.3 | 1.1 | 1.7 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.6 | 5.8 | 2.4 | 3.1 | 3.4 | 2.9 | 1.8 | 5.6 | | 1.4 | 1.1 | 2.1 | | | 3.9 | 1.3 | 1.1 | 6.6 | |
| Total Concentration of VOCs | | 3.6 | 7.8 | 2.4 | 3.1 | 3.4 | 2.9 | 1.8 | 5.6 | | 1.4 | 1.1 | 2.1 | | | 3.9 | 1.3 | 1.1 | 12 | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW90-4 (Cont'd) | | | | | | | | | | | | | | | | | MW90-5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-00 | Feb-01 | Aug-01 | Feb-02 | May-02 | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Aug-07 | Jul-08 | Aug-08 | Jul-09 | Jul-10 | Jul-11 | Aug-12 | Dec-92 | Feb-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <5 | <5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | <1.1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 |
| Freon-123A | | 1.4 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Total Halogenated Hydrocarbons | | 1.4 | 1.4 | 1.1 | | | | | 1.7 | | | | | | | | | | | 1.0 |
| Total Concentration of VOCs | | 1.4 | 1.4 | 1.1 | | | | | 1.7 | | | | | | | 1.7≈ | | | | 1.0 |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-5 (Cont'd) Mar-93 | (D) | May-93 | Jun-93 | Sep-93 | Dec-93^ | Mar-94 | Jun-94 | Sep-94 | Dec-94 | Feb-95* | Apr-95* | Nov-95 | Feb-96 | Jun-96 | Jul-96 | Nov-96 | Mar-97 | May-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 9.9 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 9.9 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <5 | <5 | <5 | <5 | <5 | <10.0 | <5 | <5 | <5 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | 0.69 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 4.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | 1.0 | <1 | 1.8 | 2.1 | 11.3 | <1 | <1 | 1.1 | <1 | 1.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 5.4 | 1.2 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 7.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | 2.0 | <1 | <1 | <5.0 | <1 | 9.8 | <1 | <1 | <0.5 | <0.5 | 9.4 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 2.0 | | | | | 9.8 | 1.0 | | 2.5 | 2.9 | 36 | 1.2 | 4.1 | 1.1 | | 1.5 | |
| Total Concentration of VOCs | | | | 2.0 | | | | | 9.8 | 1.0 | | 2.5 | 2.9 | 36 | 1.2 | 14 | 1.1 | | 1.5 | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-5 (Cont'd) Sep-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Oct-98 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Jan-03 | Jul-03* | Feb-04 | Jul-04 | Feb-05 | Jul-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 1.5 | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 2.2 | 1.6 | 1.0 | 1.8 | 1.1 | 1.2 | 1.6 | 1.2 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 1.7 | 2.2 | 1.6 | 1.0 | 1.8 | 1.1 | 1.2 | 1.6 | 1.2 | | | | |
| Total Concentration of VOCs | | | | | | | | 1.7 | 3.7 | 1.6 | 1.0 | 1.8 | 1.1 | 1.2 | 1.6 | 1.2 | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW90-5 (Cont'd) | | | | | | | | | | | | | | MWP-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-06 | Jul-06 | Feb-07 | Aug-07 | Jan-08 | Aug-08 | Feb-09 | Jul-09 | Jan-10 | Aug-10 | Mar-11 | Jul-11 | Feb-12 | Aug-12 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <150 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.2 | <1 | 1.3 | 1.1 | 1.4 | 1.3 | 1.0 | 1.1 | <1 | 1.3 | <5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | | <5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | <5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 1.2 | | 1.3 | 1.1 | 1.4 | 1.3 | 1.0 | 1.1 | | 1.3 | | | | | |
| Total Concentration of VOCs | | | | | | 1.2 | | 1.3 | 1.1 | 1.4 | 1.3 | 1.0 | 1.1 | | 1.3 | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-1 (Cont'd) Mar-94 | May-94 | Aug-94 | Nov-94* | Feb-95* | May-95* | Aug-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Jan-98 | May-95* | Aug-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-1 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-98 | Jan-99* | Apr-99 | Aug-99 | Oct-99 | Jan-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 | Aug-02 | May-95* | Jan-03 | Apr-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-1 (Cont'd) Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Oct-05 | Jan-06 | Apr-06 | Jul-06 | Oct-06 | Jan-07 | May-07 | Jul-07 | Oct-07 | Jan-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 5-1 (Cont'd)
## Bevalac Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-1 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-08 | Jul-08 | Oct-08 | Jan-09 | Apr-09 | Jul-09 | Oct-09 | Jan-10 | May-10 | Jul-10 | Nov-10 | Jan-11^ | May-11 | Jul-11 | Nov-11 | Jan-12 | May-12 | Jul-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 |
| Freon-11 | 150 | | | | | | | | | | | | <0.5 | | | | | | | |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 1.3 | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | 1.3 | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
≈:Total concentration include other chemicals, detail shown on Table 10.

(G) = Grab sample
(D) = Duplicate sample
(S) = Split sample

< = Less than Quantitation Limit
= Compound not included in analysis
# = QA/QC problems

# Table 5-2
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
**(concentrations in µg/L)**

| | | SB51-04-1 | | | | | | | | | | | | SB51L-98-1A | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07 | Feb-08 | Sep-08 | Jul-10 | Aug-11 | Sep-12 | Apr-98 | Dec-98 | Jun-99 | Mar-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | | | | | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <4 | <4 | <4 | <4 | <4 | <40 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <3 | <30 | <30 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <10 | <100 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.7 | 10 | 17.7 | 11 | 20.4 | 33.4 | 21.9 | 29.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.0 | 1.8 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | <1 | 3.5 | <1 | <1 | <0.5 | 3.9 | <1 | <1 | 1.6 | <1 | <1 | 2.0 | 23.6 | 37.7 | 84.4 | 34.1 | 103.2 | 156.4 | 126.5 | 169.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.6 | 5.6 | 9.2 | 5.3 | 11 | 16 | 10.2 | 19.2 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 6.6 | 9.8 | 3.5 | 3.8 | 1.1 | 10.6 | 1.4 | <1 | 3.5 | <1 | <1 | 6.6 | <1 | 1.4 | 3.0 | <1 | 1.4 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 4.1 | 5.3 | <1 | 2.8 | <0.5 | 5.7 | <1 | <1 | 2.5 | <1 | <1 | 4.7 | 19.5 | 18.1 | 32.5 | 12.1 | 43.3 | 64.4 | 38.6 | 80.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Freon-123A | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 11 | 19 | 3.5 | 6.6 | 1.1 | 20 | 1.4 | | 7.6 | | | 13 | 55 | 73 | 149 | 64 | 181 | 270 | 197 | 299 |
| Total Concentration of VOCs | | 11 | 19 | 3.5 | 6.6 | 1.1 | 20 | 1.4 | | 7.6 | | | 13 | 55 | 73 | 149 | 64 | 181 | 270 | 197 | 299 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB51L-98-1A (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-02 | Feb-03 | Sep-03 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | May-07 | Sep-07* | Nov-07 | Mar-08 | May-08 | Sep-08 | Nov-08 | Mar-09 | May-09 | Nov-09 | Mar-10 | May-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 | <5 | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <05 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 25.6 | 36 | 32.7 | 30.4 | 39.9 | 24 | 28.1 | 25 | 4.9 | 10 | 11 | 7.4 | 7.4 | 11.6 | 10.8 | 5.4 | 6.1 | 5.4 | 13.8 | 12.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.3 | 4.3 | 5.1 | 4.7 | 7.0 | 3.8 | 3.3 | 3.0 | <1 | 0.88 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 141 | 235 | 272 | 243 | 214 | 176 | 224 | 180 | 54.9 | 110 | 105 | 78.1 | 77.4 | 125 | 132 | 70.5 | 62.9 | 59.9 | 83.6 | 80.9 |
| trans-1,2-Dichloroethene | 10 | 26.1 | 30.3 | 37.1 | 27.2 | 47 | 30.5 | 33.6 | 30 | 8.0 | 12 | 12.4 | 10.5 | 8.6 | 15.6 | 14.4 | 7.2 | 6.6 | 6.6 | 12 | 9.3 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | 4.9 | 8.2 | 5.2 | 7.5 | 6.4 | 5.8 | 5.7 | <1 | 2.4 | 3.7 | 3.6 | 1.8 | 4.2 | 3.6 | <1 | <1 | <1 | 2.9 | 2.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 66.3 | 128 | 161 | 97.1 | 166 | 135 | 164 | 110 | 30.8 | 53 | 69.4 | 66.8 | 46 | 77.8 | 74.2 | 17 | 21.6 | 20 | 83.5 | 78.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 266 | 440 | 516 | 408 | 481 | 376 | 459 | 354 | 99 | 188 | 202 | 166 | 141 | 234 | 235 | 100 | 97 | 92 | 196 | 185 |
| Total Concentration of VOCs | | 266 | 440 | 516 | 408 | 481 | 376 | 459 | 354 | 99 | 188 | 202 | 166 | 141 | 234 | 235 | 100 | 97 | 92 | 198≈ | 186≈ |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB51L-98-1A (Cont'd) | | | | | | | | | SB64-98-8 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-10* | (D)* | Nov-10 | Mar-11 | Jun-11 | Sep-11 | (D)* | Dec-11 | Mar-12 | Jun-98 | Jun-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 | Jul-00 | Oct-00 | Nov-00 | Apr-01 | Jun-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| n-Butylbenzene | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| sec-Butylbenzene | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| ter-Butylbenzene | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Chlorobenzene | 70 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Isopropylbenzene | | | | <2 | <2 | <2 | <2 | | <2 | <2 | <200 | <200 | <2000 | <1000 | <400 | <100 | <200 | <500 | <200 | <400 | <1000 |
| p-Isopropyltoluene | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <500 | <500 | <5000 | <2500 | <1000 | <250 | <500 | <1250 | <500 | <1000 | <2500 |
| Naphthalene | | | | <2 | <2 | <2 | <2 | | <2 | <2 | <200 | <200 | <2000 | <1000 | <400 | <100 | <200 | <500 | <200 | <400 | <1000 |
| n-Propylbenzene | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Toluene | 150 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Xylenes, total | 1750 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <200 | <200 | <2000 | <1000 | <400 | <100 | <200 | <500 | <200 | <400 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Bromomethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <400 | <400 | <4000 | <2000 | <800 | <200 | <400 | <1000 | <400 | <800 | <5000 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | 1564 | 415.4 | 470 | <200 | <500 |
| Chloroethane | | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <3000 | <3000 | <30000 | <15000 | <6000 | <1500 | <3000 | <7500 | <3000 | <6000 | <15000 |
| Chloroform | 80 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <100 | <100 | <1000 | <500 | <200 | <50 | <300 | <750 | <300 | <600 | <1500 |
| Chloromethane | | <0.5 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <5000 |
| 1,1-Dichloroethane | 5 | 14 | 13 | 9.6 | 11.9 | 9.0 | 4.5 | 5.6 | 6.4 | 2.4 | 2910 | 5930 | 5120 | 5810 | 10600 | 4100 | 11969 | 24062 | 19576 | 10076 | 15271 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <200 | <200 | <2000 | <1000 | <400 | <100 | <200 | <500 | <200 | <400 | <1000 |
| 1,1-Dichloroethene | 6 | 0.95 | 0.96 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 962 | 5060 | 2330 | 1510 | 3780 | 1000 | 2550 | 5344.5 | 4327 | 1782 | 3052.8 |
| cis-1,2-Dichloroethene | 6 | 100 | 98 | 90.4 | 77.9 | 67.8 | 42.9 | 48 | 60.6 | 30.4 | <100 | <100 | <1000 | <500 | <200 | <50 | 107 | <250 | <100 | <200 | <500 |
| trans-1,2-Dichloroethene | 10 | 13 | 14 | 8.8 | 8.9 | 7.5 | 4.0 | 5.6 | 7.5 | 2.5 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| 1,2-Dichloropropane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | 110 | 378.1 | 320 | <200 | <500 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <200 | <200 | <2000 | <1000 | < 400 | <100 | <200 | <500 | <200 | <400 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Tetrachloroethene | 5 | 2.7 | 2.7 | 1.8 | 4.1 | 3.5 | 1.5 | 2.3 | 3.9 | <1 | 375 | 4650 | 2360 | 839 | 917 | 506 | 1025 | 1492.5 | 1218 | <200 | 941.6 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 3010 | 58400 | 23100 | 10600 | 17100 | 4590 | 8397 | 2810.4 | 3177 | 1084.5 | 712.1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Trichloroethene | 5 | 74 | 73 | 50.1 | 87 | 78.8 | 29.6 | 44 | 64 | 9.3 | 615 | 3520 | 1690 | 814 | 1320 | 494 | 1330 | 3234 | 2327 | 959.1 | 2103 |
| Freon-113 | 1200 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Freon-123A | | | | | | | | | | | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 | <100 | <250 | <100 | <200 | <500 |
| Total Halogenated Hydrocarbons | | 205 | 202 | 161 | 190 | 167 | 83 | 106 | 142 | 45 | 7,872 | 77,560 | 34,600 | 19,573 | 33,717 | 10,690 | 27,052 | 37,737 | 31,415 | 13,902 | 22,080 |
| Total Concentration of VOCs | | 205 | 202 | 164≈ | 190 | 167 | 83 | 106 | 142 | 45 | 7,872 | 77,560 | 34,600 | 19,573 | 33,717 | 10,690 | 27,052 | 37,737 | 31,415 | 13,902 | 22,080 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-8 (Cont'd) Sep-01 | Jan-02 | Mar-02 | Sep-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| n-Butylbenzene | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| sec-Butylbenzene | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| ter-Butylbenzene | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Chlorobenzene | 70 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Ethylbenzene | 300 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Isopropylbenzene | | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <0.5 | <1000 | <200 | <200 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 |
| p-Isopropyltoluene | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Methyl tert-Butyl Ether | 13 | <2500 | <500 | <500 | <2500 | <500 | <500 | <2500 | <500 | <2500 | <0.5 | <2500 | <500 | <500 | <2500 | <500 | <500 | <500 | <500 | <500 | <2500 |
| Naphthalene | | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <0.5 | <1000 | <200 | <200 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 |
| n-Propylbenzene | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Toluene | 150 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 1.2 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Xylenes, total | 1750 | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <1 | <1000 | <200 | <200 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 1.2 | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Bromomethane | 80 | <5000 | <1000 | <1000 | <5000 | <1000 | <1000 | <5000 | <1000 | <5000 | <1 | <5000 | <1000 | <1000 | <5000 | <1000 | <1000 | <1000 | <1000 | <1000 | <5000 |
| Carbon Tetrachloride | 0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Chloroethane | | <15000 | <3000 | <3000 | <15000 | <3000 | <3000 | <15000 | <3000 | <15000 | 3.1 | <15000 | <3000 | <3000 | <15000 | <3000 | <3000 | <3000 | <3000 | <3000 | <15000 |
| Chloroform | 80 | <1500 | <300 | <300 | <1500 | <300 | <300 | <1500 | <300 | <1500 | <0.5 | <1500 | <300 | <300 | <1500 | <300 | <300 | <300 | <300 | <300 | <1500 |
| Chloromethane | | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <5000 | <1000 | <500 | <0.5 | <500 | <1000 | <1000 | <5000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 |
| 1,1-Dichloroethane | 5 | 13672 | 15752 | 15601 | 10861 | 9526.8 | 10600 | 15800 | 6190 | 8780 | 8200 | 9460 | 12200 | 12400 | 12400 | 8690 | 7170 | 4770 | 4350 | 2970 | 2820 |
| 1,2-Dichloroethane | 0.5 | <1000 | 272.9 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | 60 | <1000 | <200 | <200 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 |
| 1,1-Dichloroethene | 6 | 2295.5 | 2587.3 | 2943 | 1861.6 | 1414.4 | 1640 | 2210 | 782 | 1580 | 1300 | 1930 | 2010 | 2310 | 2390 | 1760 | 1350 | 919 | 834 | 727 | <500 |
| cis-1,2-Dichloroethene | 6 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 83 | <500 | 112 | 116 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| trans-1,2-Dichloroethene | 10 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 1.7 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,2-Dichloropropane | 5 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Methylene Chloride | 5 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 3.4 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <100 | <0.5 | <100 | <200 | <200 | <100 | <200 | <200 | <200 | <200 | <200 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Tetrachloroethene | 5 | <500 | 773.9 | 307.4 | <500 | 229.1 | 524 | 692 | 232 | <500 | 350 | <500 | 801 | 686 | 813 | 771 | 826 | 548 | 612 | 441 | <500 |
| 1,1,1-Trichloroethane | 200 | <500 | 391 | 199.2 | <500 | 124.3 | 222 | <500 | 110 | <500 | 110 | <500 | 231 | 288 | <500 | 171 | 113 | <100 | <100 | <100 | <500 |
| 1,1,2-Trichloroethane | 5 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 11 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Trichloroethene | 5 | 1304.3 | 1940 | 1344.9 | 1102.3 | 836.7 | 1170 | 1590 | 547 | 1280 | 950 | 1500 | 1850 | 1710 | 1990 | 1610 | 1490 | 1010 | 1050 | 759 | <500 |
| Freon-113 | 1200 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Freon-123A | | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Vinyl Chloride | 0.5 | <500 | 159.7 | 345.9 | <500 | 343.9 | 247 | <500 | 334 | <500 | 22 | <500 | <100 | <100 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Total Halogenated Hydrocarbons | | 17,272 | 21,877 | 20,741 | 13,824 | 12,475 | 14,403 | 20,292 | 8,195 | 11,640 | 11,094 | 12,890 | 17,204 | 17,510 | 17,593 | 13,002 | 10,949 | 7,247 | 6,846 | 4,897 | 2,820 |
| Total Concentration of VOCs | | 17,272 | 21,877 | 20,741 | 13,824 | 12,475 | 14,403 | 20,292 | 8,195 | 11,640 | 11,095 | 12,890 | 17,204 | 17,510 | 17,593 | 13,002 | 10,949 | 7,247 | 6,846 | 4,897 | 2,820 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-8 (Cont'd) Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| n-Butylbenzene | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| sec-Butylbenzene | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| ter-Butylbenzene | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Chlorobenzene | 70 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Isopropylbenzene | | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 | <100 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <500 | <250 | <250 | <5 | <250 | <250 | <250 | <250 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <250 | <250 | <25 | <25 | <25 |
| Naphthalene | | <200 | 117 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 | <100 | <10 | <10 | <10 |
| n-Propylbenzene | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Toluene | 150 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <200 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | <100 | <100 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | 117 | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Bromomethane | 80 | <1000 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <10 | <10 | <10 | <10 | <100 | <100 | <500 | <500 | <50 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Chloroethane | | <3000 | <1500 | <1500 | <5 | <1500 | <1500 | <1500 | <1500 | <5 | <30 | <30 | <30 | <30 | <300 | <300 | <1500 | <1500 | <150 | <150 | <150 |
| Chloroform | 80 | <300 | <150 | <150 | <5 | <150 | <150 | <150 | <150 | <5 | <30 | <30 | <30 | <30 | <30 | <30 | <150 | <150 | <15 | <15 | <15 |
| Chloromethane | | <1000 | <500 | <500 | <5 | <500 | <500 | <500 | <500 | <5 | <10 | <10 | <10 | <10 | <100 | <100 | <500 | <500 | <50 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 2280 | 1980 | 2880 | 2700 | 2480 | 2110 | 1110 | 827 | 760 | 813 | 495 | 598 | 789 | 800 | 932 | 912 | 546 | 721 | 679 | 505 |
| 1,2-Dichloroethane | 0.5 | <200 | <100 | <100 | 30.0# | <100 | <100 | <100 | <100 | 8.3 | <20 | <20 | <20 | <20 | <20 | <20 | <100 | <100 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 371 | 319 | 577 | 500.0# | 243 | 410 | 196 | 153 | 150 | 144 | 63.8 | 99.1 | 144 | 161 | 178 | 199 | 94.7 | 138 | 128 | 90.5 |
| cis-1,2-Dichloroethene | 6 | <100 | <50 | <50 | 30.0# | <50 | <50 | <50 | <50 | 6.9 | <10 | <10 | <10 | <10 | 12.8 | 11.8 | <50 | <50 | 8.2 | 7.6 | <5 |
| trans-1,2-Dichloroethene | 10 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <100 | <50 | <50 | 41.0# | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 | <100 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 304 | 228 | 322 | 400 | 80.7 | 184 | 116 | 112 | 87 | 104 | 54.3 | 32.1 | 85.9 | 108 | 101 | 115 | 96.3 | 105 | 95.8 | 72.8 |
| 1,1,1-Trichloroethane | 200 | <100 | <50 | <50 | 26.0# | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <100 | <50 | <50 | 5.7 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Trichloroethene | 5 | 527 | 453 | 620 | 660.0# | 279 | 412 | 240 | 277 | 170 | 180 | 110 | 115 | 201 | 249 | 232 | 207 | 171 | 192 | 180 | 135 |
| Freon-113 | 1200 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Freon-123A | | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <100 | <50 | <50 | 27.0# | 95.2 | <50 | <50 | <50 | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <50 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 3,482 | 2,980 | 4,399 | 4,420 | 3,178 | 3,116 | 1,662 | 1,369 | 1,192 | 1,241 | 723 | 844 | 1,220 | 1,331 | 1,455 | 1,433 | 908 | 1,164 | 1,090 | 803 |
| Total Concentration of VOCs | | 3,482 | 3,097 | 4,399 | 4,420 | 3,178 | 3,116 | 1,662 | 1,369 | 1,192 | 1,241 | 723 | 844 | 1,220 | 1,331 | 1,455 | 1,433 | 908 | 1,164 | 1,090 | 803 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-8 (Cont'd) Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chlorobenzene | 70 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <25 | <50 | <25 | <25 | <25 | <25 | <25 | <50 | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromomethane | 80 | <50 | <100 | <50 | <50 | <50 | <50 | <50 | <100 | <1 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chloroethane | | <150 | <300 | <150 | <150 | <150 | <150 | <150 | <300 | <0.5 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloroform | 80 | <15 | <30 | <15 | <15 | <15 | <15 | <15 | <30 | <0.5 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| Chloromethane | | <50 | <100 | <50 | <50 | <50 | <50 | <50 | <100 | <0.5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 481 | 474 | 372 | 402 | 333 | 353 | 337 | 272 | 260 | 318 | 321 | 239 | 216 | 184 | 197 | 200 | 159 | 219 | 193 | 157 |
| 1,2-Dichloroethane | 0.5 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | 2.7 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 77.4 | 92.8 | 58.3 | 58.7 | 44.8 | 66.8 | 12.1 | 40.3 | 38 | 44.8 | 57.9 | 48.5 | 35.9 | 37.5 | 32.3 | 36.9 | 24.7 | 40.4 | 30.2 | 15.6 |
| cis-1,2-Dichloroethene | 6 | <5 | <10 | <5 | <5 | 5.7 | <5 | <5 | <10 | 3.8 | <5 | <5 | 5.3 | <5 | <5 | <5 | <5 | <5 | 5.3 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 78.7 | 90.8 | 62.2 | 61.3 | 60.1 | 78.7 | 54.2 | 47.1 | 36 | 32.9 | 62 | 69 | 40.2 | 53.8 | 40.1 | 47.3 | 27.7 | 47.6 | 36.8 | 29.3 |
| 1,1,1-Trichloroethane | 200 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 1.4 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 0.57 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 131 | 144 | 113 | 119 | 105 | 124 | 98.8 | 93.4 | 67 | 78 | 111 | 110 | 74.8 | 79.7 | 80.1 | 79.3 | 54.1 | 81 | 66.5 | 54.9 |
| Freon-113 | 1200 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 7.2 | <5 | 7.5 | 11.3 | <5 | 10.7 | <5 | 7.3 | <5 | 8.1 | 9.3 | <5 |
| Total Halogenated Hydrocarbons | | 768 | 802 | 606 | 641 | 549 | 623 | 502 | 453 | 417 | 474 | 559 | 483 | 367 | 366 | 350 | 371 | 266 | 401 | 336 | 257 |
| Total Concentration of VOCs | | 768 | 802 | 606 | 641 | 549 | 623 | 502 | 453 | 767≈ | 474 | 559 | 483 | 367 | 366 | 350 | 371 | 266 | 401 | 336 | 257 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-8 (Cont'd) Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | (D)* | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | | | | | | | | | | | | |
| Naphthalene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <50 | <10 | <50 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <0.5 | <150 | <150 | <150 | <30 | <150 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <0.5 | <15 | <15 | <15 | <3 | <15 | <3 | <3 | <3 | <3 |
| Chloromethane | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <10 | <50 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 224 | 254 | 70.8 | 204 | 176 | 156 | 141 | 69.1 | 167 | 146 | 130 | 186 | 83 | 116 | 118 | 96 | 103 | 74.1 | 86.2 | 75.2 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.6 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 41.3 | 43.3 | 13 | 39.7 | 31.3 | 31.6 | 28.2 | 8.9 | 28.8 | 29.2 | <0.5 | 36.8 | 13.3 | 20 | 22.2 | 14.1 | 20.1 | 12.1 | 17.5 | 13.1 |
| cis-1,2-Dichloroethene | 6 | <5 | 6.3 | <5 | 6.0 | 5.0 | 6.1 | 5.3 | <5 | 7.1 | <5 | 6.0 | <5 | <5 | <5 | 4.7 | <5 | 4.0 | 3.5 | 4.0 | 4.1 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 33 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 59.4 | 52.2 | 19.5 | 50.2 | 40.9 | 39.9 | 42.5 | 10.9 | 39.7 | 42.8 | 51 | 71.4 | 19.2 | 31.2 | 34.6 | 24.9 | 32.5 | 22.7 | 36.6 | 24 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.2 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | 1.3 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 89.5 | 95 | 40.6 | 88.7 | 78 | 74.6 | 71.1 | 31.4 | 70.4 | 61.6 | 86 | 88.7 | 39.6 | 52.8 | 57.9 | 47.5 | 55.4 | 38.6 | 47.9 | 42.2 |
| Freon-113 | 1200 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 7.8 | 5.2 | <5 | <5 | <5 | <5 | <5 | <5 | 5.2 | <5 | 5.5 | <5 | <5 | <5 | <1 | <5 | <1 | 1.5 | <1 | 1.4 |
| Total Halogenated Hydrocarbons | | 422 | 456 | 144 | 389 | 331 | 308 | 288 | 120 | 318 | 280 | 314 | 383 | 155 | 220 | 237 | 183 | 215 | 153 | 194 | 160 |
| Total Concentration of VOCs | | 422 | 456 | 144 | 389 | 331 | 308 | 288 | 120 | 318 | 280 | 314 | 383 | 155 | 220 | 237 | 183 | 215 | 153 | 194 | 160 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-8 (Cont'd) Apr-09 | May-09 | Jun-09 | (D)* | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | (D)* | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 57.4 | 56.6 | 57.2 | 67 | 81 | 65.5 | 70.1 | 50.9 | 67.3 | 63 | 70.6 | 54.2 | 74.8 | 59.9 | 53.6 | 59.8 | 59.7 | 37.7 | 44.4 | 61 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | 0.5 | <2 | <2 | <2 | <2 | <2 | 0.62 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.54 |
| 1,1-Dichloroethene | 6 | 9.1 | 8.7 | 12.8 | 15 | 14.6 | 13.6 | 14 | 11.4 | 14 | 15 | 15 | 14.3 | 16.1 | 11.9 | 13.8 | 13.5 | 11.2 | 7.6 | 7.7 | 7.9 |
| cis-1,2-Dichloroethene | 6 | 2.5 | 2.8 | 2.9 | 3.3 | 3.4 | 3.7 | 3.6 | 3.6 | 3.7 | 3.8 | 4.4 | 3.7 | 3.9 | 4.8 | 2.6 | 4.3 | 4.9 | 2.5 | 2.9 | 5.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 |
| Tetrachloroethene | 5 | 17.8 | 17.9 | 18.9 | 22 | 24.6 | 23.4 | 25.2 | 23.5 | 20.6 | 26 | 26.5 | 19.2 | 19 | 14.4 | 19 | 14.7 | 13.4 | 12.4 | 9.9 | 9.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | 0.84 | <1 | <1 | <1 | <1 | <1 | 0.73 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 32.4 | 29 | 35.9 | 44 | 39.1 | 39.5 | 41.7 | 42.4 | 39.7 | 42 | 44 | 35.4 | 33.3 | 40 | 29.5 | 31.7 | 35.1 | 25.2 | 22.7 | 31 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | 1.2 | <1 | 1.2 | 1.4 | 1.2 | <1 | 2.7 | 1.5 | 2.0 | 1.4 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | 1.2 |
| Total Halogenated Hydrocarbons | | 119 | 116 | 128 | 154 | 164 | 147 | 155 | 135 | 147 | 153 | 162 | 127 | 147 | 133 | 119 | 124 | 124 | 85 | 88 | 118 |
| Total Concentration of VOCs | | 119 | 116 | 128 | 154 | 164 | 147 | 155 | 135 | 147 | 153 | 162 | 127 | 147 | 133 | 119 | 124 | 124 | 85 | 88 | 118 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-98-8 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-10* | Nov-10 | Dec-10 | (D)* | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | (D)* | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | (D)* | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <0.5 | <10 | <10 | <0.5 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <0.5 | <1 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <0.5 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 80 | 64.6 | 66 | 64 | 62 | 70.4 | 53.5 | 51.7 | 30.5 | 31 | 46.6 | 44.6 | 34.2 | 35 | 30.2 | 24.2 | 31 | 47.6 | 30.8 |
| 1,2-Dichloroethane | 0.5 | 0.66 | <2 | <2 | 0.54 | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 14 | 13.1 | 10.7 | 13 | 12 | 12.5 | 9.2 | 10.2 | 5.6 | 7.7 | 9.4 | 8.7 | 7.3 | 7.1 | 5.4 | 4.7 | 6.0 | 10.1 | 6.0 |
| cis-1,2-Dichloroethene | 6 | 7.4 | 5.1 | 4.7 | 5.7 | 5.7 | 5.5 | 3.4 | 2.9 | 1.5 | 2.2 | 3.9 | 1.8 | 2.5 | 2.1 | 2.4 | 2.3 | 2.4 | 5.2 | 2.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 12 | 11.7 | 8.1 | 12 | 15 | 7.9 | 7.5 | 7.9 | 10.9 | 14 | 6.7 | 17 | 10.1 | 6.8 | 8.0 | 10.9 | 10 | 4.0 | 5.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <0.5 | 0.6 | <1 | <1 | <1 | <1 | 0.76 | <1 | 1.2 | <1 | <1 | <1 | <1 | 0.59 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 41 | 35.2 | 36.5 | 40 | 36 | 36.7 | 24.3 | 26.7 | 19.2 | 23 | 27.4 | 24.1 | 21.9 | 21.4 | 20 | 19 | 19 | 30.2 | 20.5 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 0.85 | <1 | <1 | 0.53 | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 156 | 130 | 126 | 136 | 132 | 133 | 98 | 99 | 68 | 79 | 94 | 97 | 76 | 72 | 66 | 61 | 69 | 97 | 65 |
| Total Concentration of VOCs | | 156 | 130 | 126 | 136 | 132 | 133 | 98 | 99 | 68 | 79 | 94 | 97 | 76 | 72 | 66 | 61 | 69 | 97 | 65 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-12 May-98* | Jun-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 | Oct-00 | Apr-01 # | Sep-01 | Mar-02 | Oct-02* | Feb-03 | Sep-03 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <50 | <5000 | <50 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <0.5 | <4 | <4 | <4 | <40 | <4000 | <40 | <4 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | 12.3 | 6.3 | 2.3 | 1.9 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | 2.4 | <30 | <30 | <30 | <300 | <30000 | <300 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <30 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 190 | 167 | 359 | 530 | 430 | 8270 | 478.8 | 243 | 148 | 143.2 | 76 | 125 | 64.7 | 106 | 81.1 | 146 | 126 | 77.8 | 208 | 139 |
| 1,2-Dichloroethane | 0.5 | 0.97 | <2 | 2.2 | 2.4 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 25 | 31.2 | 52.4 | 116 | 50.8 | 4380 | 62.1 | 56.8 | 34 | 38.7 | 20 | 28 | 18.1 | 20.6 | 18.7 | 18.4 | 23.7 | 34.8 | 26.8 | 19.3 |
| cis-1,2-Dichloroethene | 6 | 4.9 | 4.1 | 3.6 | 3.9 | <10 | <1000 | <10 | 8.1 | 4.2 | 5.6 | 3.6 | 4.9 | 4.9 | 5.8 | 6.6 | 6.8 | 8.0 | 8.0 | 7.6 | 8.3 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | 1.3 | <10 | <1000 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 8.7 | 7.0 | 12.8 | 17.6 | 12.8 | 11500 | 18 | 8.3 | 3.5 | 5.4 | 3.6 | 3.9 | <1 | 8.2 | 6.9 | 8.4 | 13.8 | 74.5 | 28.2 | 13.7 |
| 1,1,1-Trichloroethane | 200 | 3.0 | 3.8 | 30.2 | 118 | 14.5 | 115000 | 85.3 | 47.8 | 15.3 | 13.5 | 3.7 | 4.8 | <1 | 1.5 | <1 | 1.4 | 1.4 | 1.9 | 1.8 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21 | 19.8 | 28.9 | 69.5 | 42.7 | 6310 | 54 | 44.3 | 21.3 | 37.7 | 19 | 31.3 | 21.5 | 30.6 | 45.6 | 45.3 | 56.1 | 75.1 | 58.1 | 44.6 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 22 | 36.2 | 24.4 | 4.8 | 66.8 | <1000 | 36.6 | 5.7 | 6.6 | 2.1 | 3.0 | 1.8 | 3.2 | <1 | <1 | <1 | 2.6 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 278 | 269 | 514 | 864 | 618 | 145,460 | 747 | 420 | 235 | 248 | 129 | 200 | 112 | 173 | 159 | 226 | 232 | 272 | 331 | 225 |
| Total Concentration of VOCs | | 278 | 269 | 514 | 864 | 618 | 145,460 | 747 | 420 | 235 | 248 | 129 | 200 | 112 | 173 | 159 | 226 | 232 | 272 | 331 | 225 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-12 (Cont'd) Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sep-06 | Mar-07* | Sep-07* | Feb-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 2.0 | <30 | 1.5 | 0.97 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 172 | 145 | 122 | 102 | 79.6 | 186 | 133 | 292 | 106 | 112 | 104 | 141 | 120 | 80.8 | 85.7 | 72 | 175 | 100 | 65 | 54.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 2.6 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.66 | <2 | 0.71 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 26.3 | 24.3 | 17.5 | 25.2 | 22.4 | 19.3 | 26.3 | 26.2 | 21.4 | 16.4 | 17.3 | 15.7 | 13 | 15.7 | 14.9 | 14 | 19.9 | 14 | 12 | 10.1 |
| cis-1,2-Dichloroethene | 6.0 | 9.0 | 10 | 9.0 | 7.8 | 7.3 | 6.1 | 6.6 | 7.6 | 8.2 | 8.9 | 8.0 | 7.2 | 8.0 | 12.9 | 11.1 | 10 | 11.9 | 15 | 15 | 13.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.56 | <1 | <0.5 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | 10.4 | 8.1 | 7.4 | 31.6 | 16 | 36.5 | 40.2 | 25 | 24.4 | 10.9 | 10.7 | 9.1 | 6.7 | 6.8 | 6.2 | 8.3 | 7.9 | 5.6 | 5.7 | 4.6 |
| 1,1,1-Trichloroethane | 200 | 1.8 | 1.6 | <1 | 1.1 | <1 | 2.0 | 2.5 | 4.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 0.55 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | 45.7 | 43.3 | 43.9 | 60.5 | 53 | 56.4 | 62.8 | 61.8 | 53.1 | 40.6 | 40.1 | 38.4 | 32.9 | 41.3 | 39.8 | 42 | 39.5 | 30 | 29 | 36 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 |
| Vinyl Chloride | 0.5 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | 3.4 | <1 | 6.1 | <1 | 1.2 | 2.5 | 2.3 | 3.6 | 2.3 | <0.5 | 0.64 | 1.5 |
| Total Halogenated Hydrocarbons | | 265 | 236 | 200 | 228 | 178 | 306 | 271 | 419 | 217 | 189 | 186 | 211 | 182 | 160 | 160 | 153 | 257 | 167 | 128 | 120 |
| Total Concentration of VOCs | | 265 | 236 | 200 | 228 | 178 | 306 | 271 | 419 | 217 | 189 | 186 | 211 | 182 | 160 | 160 | 153 | 257 | 167 | 128 | 120 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-12 (Cont'd) | | | | | | | | | SB64-98-13 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-08 | Feb-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12 | May-98* | Jun-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 | Oct-00 | Apr-01 # | Sep-01 | Mar-02 | Oct-02* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | <5 | <50 | <5 | <500 | <50 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <30 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <4 | <40 | <4 | <400 | <40 | <4 | <4 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | 5.5 | 1.0 | 1.9 | 3.4 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <10 | <30 | <300 | <30 | <3000 | <300 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <10 | <1 | <10 | <1 | <100 | <10 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | 1.4 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 29.9 | 34.9 | 32.5 | 19.5 | 17 | 17.8 | 16.8 | 20.5 | 15.8 | 120 | 96.6 | 221 | 965 | 372 | 412 | 105.6 | 54.3 | 65 | 69.5 | 43 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 11.9 | 14.7 | 14.5 | 10 | 13 | 8.8 | 10 | 8.8 | 9.2 | 33 | 35.5 | 103 | 527 | <100 | 89 | 12.8 | 10.4 | 8.9 | 10.5 | 5.9 |
| cis-1,2-Dichloroethene | 6.0 | 18.2 | 9.8 | 11.7 | 5.9 | 4.9 | 2.9 | 3.1 | 3.0 | 3.5 | <10 | <1 | <10 | 1.5 | <100 | <10 | <1 | <1 | <1 | <1 | 0.65 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <30 | <1 | <10 | 4.9 | <100 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 4.0 | 30 | 31.9 | 33.3 | 87 | 68.1 | 84.7 | 65.1 | 70.8 | <10 | <1 | 21.8 | 174 | <100 | 12.5 | 1.8 | <1 | 1.1 | 1.4 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1000 | 402 | 1640 | 10500 | 723 | 135 | 35.1 | 7.0 | 12.6 | 24.6 | 14 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 37.3 | 47.9 | 54 | 42.3 | 68 | 46.6 | 55.8 | 50.6 | 52.9 | 13 | 4.9 | 32.8 | 222 | <100 | 26.1 | 13.4 | 8.4 | 14.9 | 25.8 | 9.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | 1.0 | <1 | 0.53 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | 4.4 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 101 | 137 | 146 | 111 | 190 | 144 | 170 | 148 | 152 | 1,166 | 539 | 2,019 | 12,399 | 1,095 | 675 | 174 | 83 | 104 | 135 | 73 |
| Total Concentration of VOCs | | 101 | 137 | 146 | 111 | 190 | 144 | 170 | 148 | 152 | 1,166 | 539 | 2,019 | 12,399 | 1,095 | 675 | 174 | 83 | 104 | 135 | 73 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-13(Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-03 | Sep-03 | Mar-04 | Jun-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07* | Sep-07* | Feb-08 | Sep-08 | Feb-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | 1.4 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 82.4 | 43.1 | 36.7 | 46.6 | 47.1 | 30 | 31.5 | 32 | 38.3 | 40 | 33 | 31.8 | 32.2 | 31.9 | 30.9 | 35.6 | 41 | 41.1 | 50.4 | 39.8 | 47.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 10.5 | 5.1 | 6.0 | 7.5 | 6.0 | 7.4 | 6.2 | 4.9 | 6.8 | 5.9 | 6.2 | 5.0 | 6.0 | 6.7 | 5.8 | 7.4 | 8.2 | 8.2 | 9.6 | 6.9 | 8.9 |
| cis-1,2-Dichloroethene | 6 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.86 | <1 | 1.1 | 0.76 | <1 | <1 | <1 | <1 | <1 | 0.75 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.1 | <1 | <1 | 1.0 | <1 | <1 | <1 | 0.9 | <1 | 1.2 | 1.1 | 1.5 | <1 | <1 | <1 | <1 | 2.4 | 1.3 | 1.0 | 1.4 | 1.2 |
| 1,1,1-Trichloroethane | 200 | 24 | 8.7 | 3.9 | 6.1 | 4.8 | 2.2 | 1.8 | 1.8 | 1.4 | 2.1 | 1.3 | 1.6 | <1 | <1 | <1 | <1 | 0.83 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 24 | 15.5 | 13.4 | 23.2 | 22.8 | 15 | 14.9 | 19 | 16 | 23 | 19 | 28 | 18.5 | 22.8 | 20 | 9.6 | 22 | 13.2 | 6.5 | 7.1 | 6.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 143 | 72 | 60 | 84 | 81 | 55 | 54 | 59 | 63 | 73 | 61 | 68 | 57 | 61 | 57 | 53 | 77 | 64 | 68 | 55 | 64 |
| Total Concentration of VOCs | | 143 | 72 | 60 | 84 | 81 | 55 | 54 | 59 | 63 | 73 | 61 | 68 | 57 | 61 | 57 | 53 | 77 | 64 | 68 | 55 | 64 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-98* | Jan-99* | Oct-99 | Mar-00 | Jul-00 | Nov-00 | Apr-01 # | Jun-01 | Sep-01 | Sep-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 6.7 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| n-Butylbenzene | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| sec-Butylbenzene | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| ter-Butylbenzene | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Chlorobenzene | 70 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Ethylbenzene | 300 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Isopropylbenzene | | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 |
| p-Isopropyltoluene | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <200 | <500 | <50 | <1000 | <500 | <500 | <500 | <500 | <500 | <50 | <500 | <250 | <250 | <250 | <0.5 | <500 | <50 | <250 | <250 |
| Naphthalene | | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 |
| n-Propylbenzene | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Toluene | 150 | 0.89 | <200 | 131 | 19.9 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Xylenes, total | 1750 | <1 | <300 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 | <100 | <100 | <1 | <200 | <20 | <100 | <100 |
| Total Aromatic Hydrocarbons | | 7.59 | | 131 | 19.9 | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Bromomethane | 80 | <0.5 | <200 | <400 | <40 | <800 | <400 | <400 | <1000 | <1000 | <1000 | <100 | <1000 | <500 | <100 | <100 | <1 | <1000 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Chloroethane | | 5.2 | <200 | <3000 | <300 | <6000 | <3000 | <3000 | <3000 | <3000 | <3000 | <300 | <3000 | <1500 | <1500 | <1500 | 2.8 | <3000 | <300 | <1500 | <1500 |
| Chloroform | 80 | <0.5 | <200 | <100 | <10 | <600 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <150 | <150 | <150 | <0.5 | <300 | <30 | <150 | <150 |
| Chloromethane | | <0.5 | <200 | <100 | <10 | <200 | <100 | 207.3 | <1000 | <100 | <100 | <100 | <100 | <500 | <500 | <500 | <0.5 | <1000 | <100 | <500 | <500 |
| 1,1-Dichloroethane | 5 | 8000 | 7200 | 14100 | 6130 | 11660 | 11752 | 7005.8 | 5523.9 | 5231.8 | 1835.3 | 1270 | 2360 | 4340 | 2890 | 2230 | 1800 | 1480 | 1380 | 1110 | 906 |
| 1,2-Dichloroethane | 0.5 | 67 | <200 | <200 | 81.8 | <400 | <200 | <200 | <200 | <200 | <100 | <20 | <200 | <100 | <100 | <100 | 9.9 | <200 | <20 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 710 | 970 | 1740 | 1070 | 1659 | 1149.4 | 797.1 | 382.7 | 335.7 | 134.8 | 95.7 | <100 | 145 | 175 | 172 | 120 | 104 | 81.9 | 66 | 57.2 |
| cis-1,2-Dichloroethene | 6 | 4.1 | <200 | <100 | 15 | <200 | <100 | <100 | <100 | <100 | <100 | 36.3 | <100 | <50 | <50 | <50 | 6.4 | <100 | <10 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | 0.54 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Methylene Chloride | 5 | 350 | 480 | <100 | 13.8 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | 1.7 | <100 | <10 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Tetrachloroethene | 5 | 6.3 | <200 | <100 | 55.1 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | 5.6# | <100 | <10 | <50 | <50 |
| 1,1,1-Trichloroethane | 200 | 2.1 | <200 | <100 | 10.2 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | 0.98 | <100 | <10 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | 10 | <200 | <100 | 13.2 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Trichloroethene | 5 | 310 | 420 | 634 | 499 | 804 | 456.4 | 312.6 | 242.8 | 180.3 | <100 | 18.6 | <100 | 104 | 65.3 | 60.8 | 56 | <100 | 36 | <50 | <50 |
| Freon-113 | 1200 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 |
| Freon-123A | | | | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 | <50 | <50 | | <100 | <10 | <50 | <50 |
| Vinyl Chloride | 0.5 | 12 | <200 | <100 | 36.5 | <200 | <100 | <100 | <100 | <100 | <100 | 26 | <100 | <50 | <50 | <50 | 2.2 | <100 | 11.9 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 9,477 | 9,070 | 16,474 | 7,925 | 14,123 | 13,358 | 8,323 | 6,149 | 5,748 | 1,970 | 1,447 | 2,360 | 4,589 | 3,130 | 2,463 | 2,006 | 1,584 | 1,510 | 1,176 | 963 |
| Total Concentration of VOCs | | 9,485 | 9,070 | 16,605 | 7,945 | 14,123 | 13,358 | 8,323 | 6,149 | 5,748 | 1,970 | 1,447 | 2,360 | 4,589 | 3,130 | 2,463 | 2,006 | 1,584 | 1,510 | 1,176 | 963 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 (Cont'd) Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| n-Butylbenzene | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| sec-Butylbenzene | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| ter-Butylbenzene | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Chlorobenzene | 70 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Isopropylbenzene | | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <250 | <5 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <1 | <50 | <50 | <5 | <5 | <2.5 | <5 | <50 | <50 | <50 | <50 |
| Naphthalene | | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 |
| n-Propylbenzene | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Toluene | 150 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <5.0 | <2 | <20 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Bromomethane | 80 | <100 | <10 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <10 | <10 | <2.5 | <10 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Chloroethane | | <1500 | <30 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <1 | <300 | <300 | <30 | <30 | <2.5 | <30 | <300 | <300 | <300 | <300 |
| Chloroform | 80 | <150 | <3 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <1 | <30 | <30 | <3 | <3 | <2.5 | <3 | <30 | <30 | <30 | <30 |
| Chloromethane | | <500 | <10 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <10 | <10 | <2.5 | <10 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 820 | 820 | 751 | 653 | 462 | 572 | 763 | 579 | 422 | 400.0# | 435 | 321 | 292 | 420 | 290 | 260 | 186 | 301 | 247 | 275 |
| 1,2-Dichloroethane | 0.5 | <100 | 3.6 | <20 | <20 | <20 | <20 | 3 | <20 | <20 | 2.6# | <20 | <20 | <2 | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <50 | 49.7 | 61 | 45.4 | 48.4 | 56 | 47.8 | 42.4 | 41.3 | 33.0# | 38.5 | <10 | 29.7 | 36.8 | 30 | 27.2 | <10 | 28.8 | 33 | 26.7 |
| cis-1,2-Dichloroethene | 6 | <50 | 2.6 | <10 | <10 | <10 | <10 | 5.6 | <10 | <10 | 3.9# | <10 | <10 | 3.3 | 4.3 | <2.5 | 2.8 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 2.9# | <10 | <10 | <1 | <1 | <5.0 | <1 | <10 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | <50 | 3.8 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 1.6 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Trichloroethene | 5 | <50 | 22.9 | 23 | 23.9 | 17.9 | 19 | 17.3 | 16.9 | <10 | 12.0# | 13.7 | <10 | 9.0 | 9.2 | 8.0 | 7.6 | <10 | 14.1 | <10 | <10 |
| Freon-113 | 1200 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 |
| Freon-123A | | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | | <1 | <10 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | <50 | 14.4 | 34.4 | 22.2 | 22.6 | 18 | 19.2 | <10 | <10 | <1 | <10 | <10 | 7.5 | 7.9 | 6.2 | 10.7 | <10 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 820 | 917 | 869 | 745 | 551 | 665 | 856 | 638 | 463 | 456 | 487 | 321 | 342 | 478 | 334 | 308 | 186 | 344 | 280 | 302 |
| Total Concentration of VOCs | | 820 | 917 | 869 | 745 | 551 | 665 | 856 | 638 | 463 | 456 | 487 | 321 | 342 | 478 | 334 | 308 | 186 | 344 | 280 | 302 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 (Cont'd) Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 329 | 241 | 134 | 150 | 161 | 97.9 | 132 | 95.9 | 156 | 138 | 129 | 126 | 141 | 131 | 140 | 126 | 141 | 82 | 140 | 50.7 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.79 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 32.9 | 26.5 | 20.8 | 15.6 | 16.2 | 9.4 | 13.6 | 9.1 | 13.9 | 12.5 | 2.8 | <1 | 9.8 | 11.3 | 8.8 | 11.9 | 13.2 | 9.7 | 14.3 | 5.0 |
| cis-1,2-Dichloroethene | 6 | <10 | <10 | <10 | 2.4 | 2.9 | 2.0 | 2.7 | 2.0 | 3.8 | 2.9 | 2.7 | 2.3 | 3.6 | 3.0 | 2.8 | 3.0 | 3.5 | 2.3 | 5.0 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <10 | <10 | <10 | 4.0 | 4.7 | 2.9 | 3.1 | 2.6 | 3.4 | 3.7 | 3.5 | 3.6 | 3.6 | 3.5 | 3.6 | 2.8 | 3.8 | 3.0 | 4.2 | 1.6 |
| Freon-113 | 1200 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | 12.3 | <10 | 1.9 | 1.8 | 2.4 | <1 | <1 | 4.9 | 2.3 | <1 | <1 | 1.9 | 2.8 | <0.5 | 8.1 | 3.3 | 3.5 | 1.6 | <1 |
| Total Halogenated Hydrocarbons | | 362 | 280 | 155 | 174 | 187 | 115 | 151 | 110 | 182 | 159 | 138 | 132 | 160 | 152 | 156 | 152 | 165 | 101 | 165 | 59 |
| Total Concentration of VOCs | | 362 | 280 | 155 | 174 | 187 | 115 | 151 | 110 | 182 | 159 | 138 | 132 | 160 | 152 | 156 | 152 | 165 | 101 | 165 | 59 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 83.3 | 46.2 | 65.6 | 45.8 | 129 | 64.4 | 77.7 | 40.6 | 70 | 49.3 | 55.6 | 56.5 | 47.4 | 42.6 | 43.4 | 56.6 | 38.7 | 74.6 | 32.7 | 58.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6.0 | 8.9 | 4.8 | 7.0 | 5.1 | 11.7 | 7.7 | 8.2 | 8.1 | 6.5 | 5.8 | 6.5 | 6.6 | 5.0 | 4.4 | 4.7 | 5.5 | 4.0 | 9.0 | 2.7 | 6.0 |
| cis-1,2-Dichloroethene | 6.0 | 2.2 | 1.2 | 1.7 | 1.3 | 3.3 | 1.7 | 1.9 | <1 | 2.6 | 1.3 | 1.8 | 1.8 | 1.3 | 1.2 | 1.3 | <1 | 1.1 | 1.5 | <1 | 1.7 |
| trans-1,2-Dichloroethene | 10.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5.0 | 3.2 | 1.5 | 1.9 | 1.4 | 2.9 | 4.2 | 2.9 | 5.3 | 2.3 | 2.3 | 3.0 | 2.9 | 2.1 | 1.6 | 2.1 | 2.5 | 1.4 | 3.0 | 1.3 | 2.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | 1.6 | <1 | 2.1 | 2.6 | 2.9 | <1 | 5.4 | <1 | <1 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 |
| Total Halogenated Hydrocarbons | | 98 | 54 | 78 | 54 | 149 | 81 | 94 | 54 | 87 | 59 | 67 | 70 | 56 | 50 | 52 | 65 | 45 | 88 | 37 | 70 |
| Total Concentration of VOCs | | 98 | 54 | 78 | 54 | 149 | 81 | 94 | 54 | 87 | 59 | 67 | 70 | 56 | 50 | 52 | 65 | 45 | 88 | 37 | 70 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 (Cont'd) Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 34.3 | 47.8 | 47.2 | 36.4 | 42.3 | 17.6 | 78.5 | 21.4 | 80.3 | 27.6 | 73.2 | 22.4 | 79.8 | 17.4 | 102 | 25.2 | 26.2 | 16.8 | 90.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.1 | 5.7 | 5.9 | 4.3 | 4.3 | 2.5 | 9.6 | 2.4 | 9.4 | 2.8 | 5.0 | 2.1 | 6.0 | 1.9 | 13.5 | 2.8 | 3.1 | 2.3 | 13.5 |
| cis-1,2-Dichloroethene | 6 | 1.3 | <1 | <1 | <1 | 1.4 | <1 | 2.0 | <1 | 1.9 | <1 | 1.4 | <1 | 1.9 | <1 | 2.8 | <1 | <1 | <1 | 2.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.5 | 2.2 | 3.1 | 1.3 | 1.9 | <1 | 2.1 | <1 | 2.2 | 1.4 | 1.8 | 1.8 | 2.1 | <1 | 2.5 | <1 | 1.1 | <1 | 1.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.4 | 1.6 | <1 | 2.0 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 43 | 57 | 56 | 44 | 52 | 20 | 92 | 24 | 94 | 32 | 81 | 26 | 90 | 19 | 121 | 28 | 30 | 19 | 108 |
| Total Concentration of VOCs | | 43 | 57 | 56 | 44 | 52 | 20 | 92 | 24 | 94 | 32 | 81 | 26 | 90 | 19 | 121 | 28 | 30 | 19 | 108 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-98-17 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11* | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 12.5 | 56 | 19.4 | 11.3 | 53.7 | 14.2 | 17 | 16.3 | 31.1 | 15.3 | 33 | 48.7 | 32.8 | 47.4 | 43.6 | 33 | 43.4 | 62.9 | 49.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.2 | 7.6 | 1.9 | 1.5 | 8.6 | 1.4 | 2.3 | 2.0 | 4.0 | 1.7 | 4.6 | 5.9 | 3.8 | 6.6 | 5.9 | 3.9 | 5.1 | 8.9 | 6.6 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.6 | <1 | <1 | 1.5 | <1 | 0.6 | <1 | <1 | <1 | 0.96 | 1.3 | <1 | 1.2 | <1 | <1 | 2.2 | 2.1 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.9 | <1 | 1.1 | 1.4 | <1 | 0.8 | <1 | 1.2 | <1 | 1.5 | 1.0 | 1.2 | 1.3 | 1.5 | 1.4 | <1 | 1.2 | 1.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 14 | 67 | 21 | 14 | 65 | 16 | 21 | 18 | 36 | 17 | 41 | 57 | 38 | 57 | 51 | 38 | 51 | 75 | 59 |
| Total Concentration of VOCs | | 14 | 67 | 21 | 14 | 65 | 16 | 21 | 18 | 36 | 17 | 41 | 57 | 38 | 57 | 51 | 38 | 51 | 75 | 59 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 May-99 | Jun-99 | Jul-00 | Jun-01 | Sep-01 | Mar-02 | Sep-02 | Jan-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| n-Butylbenzene | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| sec-Butylbenzene | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| ter-Butylbenzene | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Chlorobenzene | 70 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Ethylbenzene | 300 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <30 | <0.5 | <50 | <50 | <30 | <30 | <1 | <100 | <50 | <50 |
| Isopropylbenzene | | <2 | <2 | <200 | <1000 | <200 | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 |
| p-Isopropyltoluene | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <500 | <2500 | <500 | <500 | <50 | <50 | <5 | <250 | <50 | <0.5 | <250 | <250 | <50 | <50 | <5 | <500 | <250 | <250 |
| Naphthalene | | <2 | <2 | <200 | <1000 | <200 | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 |
| n-Propylbenzene | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Toluene | 150 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Xylenes, total | 1750 | <2 | <2 | <200 | <1000 | <200 | <200 | <20 | <20 | <2 | <100 | <20 | <1 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Bromomethane | 80 | <4 | <4 | <400 | <5000 | <1000 | <1000 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <10 | <1000 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Chloroethane | | <30 | <30 | <3000 | <15000 | <3000 | <3000 | <300 | <300 | <30 | <1500 | <300 | 2.9 | <1500 | <1500 | <300 | <300 | <30 | <3000 | <1500 | <1500 |
| Chloroform | 80 | <1 | <1 | <300 | <1500 | <300 | <300 | <30 | <30 | <3 | <150 | <30 | <0.5 | <150 | <150 | <30 | <30 | <3 | <300 | <150 | <150 |
| Chloromethane | | <1 | <1 | <100 | <5000 | <1000 | <1000 | <100 | <100 | <10 | <500 | <100 | <0.5 | <500 | <500 | <100 | <100 | <10 | <1000 | <500 | <500 |
| 1,1-Dichloroethane | 5 | saturated | 9830 | 15244 | 7426.9 | 6508 | 4711 | 1604.7 | 1590 | 55 | 438 | 2420 | 2300 | 2770 | 3930 | 4600 | 4510 | 4100 | 3550 | 3920 | 2640 |
| 1,2-Dichloroethane | 0.5 | 59.1 | 113 | <200 | <1000 | <200 | <200 | <10 | <20 | <2 | <100 | <20 | 16 | <100 | <100 | 31.4 | 34.7 | 25.4 | <200 | <100 | <100 |
| 1,1-Dichloroethene | 6 | saturated | 1440 | 2538 | <500 | 453 | 325.5 | 43 | 100.6 | 10.6 | 66.3 | 257 | 200 | 221 | 279 | 387 | 400 | 287 | 218 | 260 | 197 |
| cis-1,2-Dichloroethene | 6 | 8.9 | 26.8 | <100 | <500 | <100 | <100 | <10 | 11.7 | <1 | <50 | 23 | 25 | <50 | <50 | 30.3 | 30.2 | 30.4 | <100 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | 0.64 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Methylene Chloride | 5 | 159 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | 3.1 | <50 | <50 | <10 | <10 | 3.3 | <100 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <2 | 14.4 | <200 | <1000 | <200 | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Tetrachloroethene | 5 | 93 | 265 | 231 | <500 | <100 | <100 | <10 | <10 | 1.5 | <50 | 19.7 | 19.0# | <50 | <50 | 27.6 | 24.6 | 35.5 | <100 | <50 | <50 |
| 1,1,1-Trichloroethane | 200 | 180 | 642 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | 8.6 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | 0.81 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Trichloroethene | 5 | saturated | 788 | 1044 | <500 | 227.2 | 163.8 | 25.8 | 39.9 | 5.8 | <50 | 113 | 120 | 89.5 | 155 | 200 | 200 | 206 | 200 | 186 | 126 |
| Freon-113 | 1200 | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Freon-123A | | <1 | <1 | <100 | <500 | <100 | <100 | <10 | <10 | <1 | <50 | <10 | | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 |
| Vinyl Chloride | 0.5 | 9.9 | 33.2 | <100 | <500 | <100 | <100 | 35.4 | 83.3 | <1 | <50 | 344 | 66 | <50 | <50 | 19.3 | 18.2 | 9.9 | <100 | 67.8 | <50 |
| Total Halogenated Hydrocarbons | | 519 | 13,152 | 19,057 | 7,427 | 7,188 | 5,200 | 1,709 | 1,826 | 73 | 504 | 3,177 | 2,753 | 3,081 | 4,364 | 5,296 | 5,218 | 4,698 | 3,968 | 4,434 | 2,963 |
| Total Concentration of VOCs | | 519 | 13,152 | 19,057 | 7,427 | 7,188 | 5,200 | 1,709 | 1,826 | 73 | 504 | 3,177 | 2,753 | 3,081 | 4,364 | 5,296 | 5,218 | 4,698 | 3,968 | 4,434 | 2,963 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 (Cont'd) Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| n-Butylbenzene | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| sec-Butylbenzene | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| ter-Butylbenzene | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Chlorobenzene | 70 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Ethylbenzene | 300 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Isopropylbenzene | | <100 | <200 | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| p-Isopropyltoluene | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <250 | <500 | <500 | <250 | <250 | <5 | <250 | <250 | <250 | <250 | <10 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 |
| Naphthalene | | <100 | <200 | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| n-Propylbenzene | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Toluene | 150 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Xylenes, total | 1750 | <100 | <200 | <200 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Bromomethane | 80 | <100 | <1000 | <1000 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <500 | <500 | <500 | <500 | <500 |
| Carbon Tetrachloride | 0.5 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Chloroethane | | <1500 | <3000 | <3000 | <1500 | <1500 | <5 | <1500 | <1500 | <1500 | <1500 | <10 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 |
| Chloroform | 80 | <150 | <300 | <300 | <150 | <150 | <5 | <150 | <150 | <150 | <150 | <10 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloromethane | | <500 | <1000 | <1000 | <500 | <500 | <5 | <500 | <500 | <500 | <500 | <10 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 |
| 1,1-Dichloroethane | 5 | 4030 | 2390 | 2140 | 3570 | 3670 | 2600 | 2360 | 2150 | 1620 | 1890 | 1900 | 2000 | 1590 | 1700 | 1750 | 1520 | 1240 | 744 | 1200 | 930 |
| 1,2-Dichloroethane | 0.5 | <100 | <200 | <200 | <100 | <100 | 22 | <100 | <100 | <100 | <100 | 20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 347 | 295 | <100 | 287 | 282 | 170 | 148 | 150 | <50 | 150 | 180 | 182 | 208 | 241 | 135 | 206 | 138 | <50 | 157 | 96.5 |
| cis-1,2-Dichloroethene | 6 | <50 | <100 | <100 | <50 | <50 | 16 | <50 | <50 | <50 | <50 | 10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Methylene Chloride | 5 | <50 | <100 | <100 | <50 | <50 | 41 | <50 | <50 | <50 | <50 | <20 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <100 | <200 | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Tetrachloroethene | 5 | 71.1 | <100 | <100 | <50 | <50 | 21 | <50 | <50 | <50 | <50 | 22 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1,1-Trichloroethane | 200 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Trichloroethene | 5 | 277 | 121 | <100 | 151 | 195 | 130 | 128 | 132 | <50 | <50 | 110 | 101 | <50 | 76.1 | 105 | <50 | 77.3 | 94.8 | 87.5 | 81.7 |
| Freon-113 | 1200 | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Freon-123A | | <50 | <100 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Vinyl Chloride | 0.5 | 209 | <100 | <100 | <50 | <50 | 25 | <50 | <50 | <50 | <50 | 28 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 4,934 | 2,806 | 2,140 | 4,008 | 4,147 | 3,025 | 2,636 | 2,432 | 1,620 | 2,040 | 2,270 | 2,283 | 1,798 | 2,017 | 1,990 | 1,726 | 1,455 | 839 | 1,445 | 1,108 |
| Total Concentration of VOCs | | 4,934 | 2,806 | 2,140 | 4,008 | 4,147 | 3,025 | 2,636 | 2,432 | 1,620 | 2,040 | 2,270 | 2,283 | 1,798 | 2,017 | 1,990 | 1,726 | 1,455 | 839 | 1,445 | 1,108 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 (Cont'd) Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chlorobenzene | 70 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <20 | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <250 | <250 | <250 | <50 | <250 | <250 | <250 | <250 | <250 | <50 | | <250 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <20 | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <20 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromomethane | 80 | <500 | <500 | <500 | <100 | <500 | <500 | <500 | <500 | <500 | <100 | <1 | <500 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chloroethane | | <1500 | <1500 | <1500 | <300 | <1500 | <1500 | <1500 | <1500 | <1500 | <300 | <0.5 | <1500 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloroform | 80 | <150 | <150 | <150 | <30 | <150 | <150 | <150 | <150 | <150 | <30 | <0.5 | <150 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| Chloromethane | | <500 | <500 | <500 | <100 | <500 | <500 | <500 | <500 | <500 | <100 | <0.5 | <500 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 788 | 653 | 508 | 645 | 544 | 489 | 352 | 491 | 430 | 401 | 370 | 484 | 673 | 507 | 717 | 450 | 369 | 318 | 268 | 336 |
| 1,2-Dichloroethane | 0.5 | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <20 | 3.8 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <50 | <50 | <50 | 53.4 | <50 | <50 | <50 | <50 | <50 | 36.3 | 38 | <50 | 66.7 | 43.1 | 62.8 | 40.3 | 29.3 | 29.1 | 24.7 | 31.4 |
| cis-1,2-Dichloroethene | 6 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | 10.5 | 10 | <50 | 12.2 | 12.4 | 11 | 11.2 | 10.8 | 10.8 | 11 | 12.9 |
| trans-1,2-Dichloroethene | 10 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <1 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <20 | <0.5 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | <50 | <50 | <50 | 15.7 | <50 | <50 | <50 | <50 | <50 | 13.3 | 16 | <50 | 13.2 | 14.6 | 11 | 11.9 | 10.2 | 10.4 | 8.3 | 10 |
| 1,1,1-Trichloroethane | 200 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 69.2 | 91.2 | 71 | 63.7 | 65.2 | 57.6 | 55.3 | 82.2 | 69.8 | 56.9 | 56 | <50 | 65.5 | 68.7 | 55.9 | 57.9 | 46.1 | 45.7 | 38.6 | 44 |
| Freon-113 | 1200 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <10 | | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <50 | <50 | <50 | 23.2 | <50 | <50 | <50 | <50 | <50 | 23.8 | <0.5 | <50 | 15.2 | 18.6 | 13.3 | 13 | 19.1 | 10.7 | 14.8 | 10.9 |
| Total Halogenated Hydrocarbons | | 857 | 744 | 579 | 801 | 609 | 547 | 407 | 573 | 500 | 542 | 494 | 484 | 846 | 664 | 871 | 584 | 485 | 425 | 365 | 445 |
| Total Concentration of VOCs | | 857 | 744 | 579 | 801 | 609 | 547 | 407 | 573 | 500 | 542 | 904≈ | 484 | 846 | 664 | 871 | 584 | 485 | 425 | 365 | 445 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 (Cont'd) Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | | | | | | | | | | |
| Naphthalene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <10 | <50 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Chloroethane | | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 | <150 | <150 | <30 | <150 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <3 | <15 | <15 | <15 | <3 | <15 | <3 | <3 | <3 |
| Chloromethane | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <10 | <50 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 698 | 215 | 217 | 486 | 189 | 330 | 288 | 506 | 363 | 353 | 366 | 197 | 267 | 254 | 318 | 196 | 142 | 272 | 324 | 159 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | 2.4 | <10 | 2.1 | 2.5 | <2 |
| 1,1-Dichloroethene | 6 | 85.1 | 20.8 | 16 | 49.3 | 24.2 | 33.6 | 27.4 | 68.7 | 41.5 | 44.6 | 33.9 | 13.2 | 23.4 | 24.7 | 43.5 | 67.3 | 15.1 | 57.1 | 50.3 | 23 |
| cis-1,2-Dichloroethene | 6 | 10.7 | 11.8 | 11.1 | 17.3 | 10.5 | 18.5 | 22.1 | 15 | 13.9 | 14.9 | 16.4 | 7.4 | 9.4 | 10.5 | 8.5 | 9.5 | 11.2 | 12.7 | 9.1 | 13.2 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <2 | <10 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | 8.5 | <5 | 8.9 | <5 | 8.9 | 5.5 | <5 | <5 | <5 | <5 | 1.8 | <5 | <5 | <5 | 1.8 | <5 | 2.2 | 3.6 | 2.7 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 30.7 | 36.8 | 35.5 | 58.2 | 22.2 | 52.7 | 39.6 | 32.6 | 34.8 | 32.5 | 32.3 | 13.8 | 16.3 | 15.8 | 17.4 | 14.7 | 15.4 | 19.7 | 19.2 | 19.3 |
| Freon-113 | 1200 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <1 | <1 | <1 |
| Freon-123A | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | 18.8 | 24.2 | 8.1 | 9.8 | 8.8 | 27.9 | 6.9 | 12.9 | 8 | 14.1 | 1.6 | <5 | <5 | <5 | <1 | <5 | 6.7 | <1 | 5.5 |
| Total Halogenated Hydrocarbons | | 825 | 312 | 304 | 628 | 256 | 453 | 411 | 629 | 466 | 453 | 463 | 235 | 316 | 305 | 387 | 292 | 184 | 373 | 409 | 223 |
| Total Concentration of VOCs | | 825 | 312 | 304 | 628 | 256 | 453 | 411 | 629 | 466 | 453 | 463 | 235 | 316 | 305 | 387 | 292 | 184 | 373 | 409 | 223 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 (Cont'd) Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | (D)* | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 170 | 199 | 240 | 193 | 251 | 212 | 153 | 170 | 183 | 149 | 195 | 208 | 178 | 142 | 183 | 176 | 99 | 116 | 131 | 90 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.5 | 2.3 | <2 | <2 | 2.3 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.63 |
| 1,1-Dichloroethene | 6 | 20.6 | 34.4 | 43 | 32.5 | 37.8 | 15.9 | 14.4 | 18 | 22.4 | 13 | 26.4 | 29.4 | 27.1 | 18.6 | 22.6 | 24.3 | 7.0 | 13.6 | 13.7 | 11 |
| cis-1,2-Dichloroethene | 6 | 11.8 | 9.8 | 11 | 10.2 | 9.6 | 9.1 | 10.7 | 12 | 8.7 | 13.4 | 12.3 | 10.4 | 10.2 | 8.7 | 9.5 | 11.1 | 6.7 | 10.3 | 10.6 | 12 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1.8 | 2.2 | 2.0 | 1.6 | 2.0 | 1.3 | 2.7 | 3.2 | 2.9 | 2.2 | 3.0 | 3.7 | <1 | 1.6 | 1.0 | <1 | <1 | <1 | <1 | 1.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 15.4 | 15 | 15.3 | 12 | 14.8 | 12.5 | 20 | 23 | 25.7 | 16.1 | 19.5 | 24.5 | 8.9 | 12.1 | 9.3 | 7.7 | 4.8 | 9.8 | 9.1 | 11 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 10.3 | <1 | 1.5 | 3.8 | 2.3 | <1 | <1 | 0.77 | <1 | 5.8 | 4.0 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.7 | 2.1 | 1.2 |
| Total Halogenated Hydrocarbons | | 230 | 260 | 313 | 253 | 318 | 251 | 201 | 228 | 245 | 200 | 260 | 278 | 224 | 183 | 225 | 220 | 118 | 151 | 167 | 127 |
| Total Concentration of VOCs | | 230 | 260 | 313 | 253 | 318 | 251 | 201 | 228 | 245 | 200 | 260 | 278 | 224 | 183 | 225 | 220 | 118 | 151 | 167 | 127 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-4 (Cont'd) Sep-10* | (D)* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11* | Jul-11 | Sep-11 | (D)* | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <1 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <1 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <0.5 | <0.5 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <0.5 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <0.5 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 120 | 110 | 145 | 115 | 116 | 100 | 118 | 123 | 142 | 83 | 111 | 178 | 140 | 160 | 88.7 | 156 | 57.7 | 70.8 | 112 | 100 |
| 1,2-Dichloroethane | 0.5 | 1.2 | 1.1 | <2 | <2 | <2 | 1.0 | <2 | <2 | <2 | 0.6 | <2 | <2 | 1.0 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 16 | 16 | 53.7 | 16 | 9.5 | 11 | 10.8 | 15.6 | 13.3 | 14 | 13.3 | 45.2 | 49 | 20.9 | 9.7 | 26.1 | 7.6 | 10.5 | 16.8 | 17.0 |
| cis-1,2-Dichloroethene | 6 | 8.9 | 9.4 | 9.0 | 10 | 7.7 | 6.4 | 8.8 | 10.1 | 6.9 | 9.7 | 11.8 | 8.9 | 9.4 | 10.9 | 9.3 | 8.7 | 8.1 | 8.0 | 6.9 | 7.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 0.93 | 0.95 | <1 | <1 | <1 | 0.8 | <1 | <1 | <1 | 0.93 | <1 | <1 | <0.5 | 1.6 | <1 | <1 | <1 | 1.0 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 9.0 | 9.3 | 4.4 | 8.4 | 5.8 | 6.3 | 6.8 | 8.0 | 6.4 | 7.7 | 8.2 | 3.9 | 4.0 | 16 | 7.3 | 7.8 | 6.1 | 7.8 | 6.6 | 5.6 |
| Freon-113 | 1200 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | 1.0 | <1 | 1.3 | <1 | <0.5 | 5.2 | <1 | 0.73 | <1 | <1 | <1 | 3.0 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 156 | 147 | 212 | 149 | 139 | 127 | 144 | 158 | 169 | 116 | 150 | 236 | 204 | 209 | 115 | 199 | 83 | 98 | 142 | 130 |
| Total Concentration of VOCs | | 156 | 147 | 212 | 149 | 139 | 127 | 144 | 158 | 169 | 116 | 150 | 236 | 204 | 209 | 115 | 199 | 83 | 98 | 142 | 130 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-5 Jun-99 | Jul-00 | Jun-01 | Sep-01 | Mar-02 | Sep-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <4 | <4 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <300 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <3 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <1 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 55.8 | 133.83 | 119.6 | 159.9 | 143.1 | 162.9 | 112.4 | 130 | 161.0 # | 173 | 207 | 230 | 123 | 359 | 287 | 356 | 139 | 147 | 191 | 128 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | 55.1 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | 2.1 | 2.4 | <2 | 4.2 | 2.4 | 3.0 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 34.2 | 46.49 | 40.2 | 43.4 | 45.4 | 49.2 | 34.8 | 30.9 | 35.2 | 65.3 | 75.2 | 81 | 32.4 | 125 | 87.8 | 99.6 | 35.6 | 37.1 | 83.5 | 28.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | 0.7 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 2.0 | <10 | <10 | <10 | <10 | 5.0 | 4.3 | 4.0 | 5.4 | 7.7 | 11.0 # | 2.0 | 13.3 | 8.6 | 12.9 | 4.0 | 4.8 | 10.8 | 3.9 |
| 1,1,1-Trichloroethane | 200 | 1.1 | 1.6 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | 1.1 | 1.5 | <1 | 1.8 | 1.2 | 1.6 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.5 | 10.02 | 19.1 | 13.8 | 12.1 | 15.3 | 10.4 | 12.9 | 15.8 | 22.6 | 27.6 | 39 | 12 | 47.9 | 32.4 | 43.1 | 15.9 | 16.1 | 28.6 | 14.4 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 95 | 194 | 234 | 217 | 201 | 227 | 163 | 178 | 216 | 266 | 321 | 366 | 169 | 552 | 419 | 516 | 195 | 205 | 314 | 175 |
| Total Concentration of VOCs | | 95 | 194 | 234 | 217 | 201 | 227 | 163 | 178 | 216 | 266 | 321 | 366 | 169 | 552 | 419 | 516 | 195 | 205 | 314 | 175 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-5 (Cont'd) Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <50 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <20 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.8 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <300 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <30 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 143 | 156 | 155 | 151 | 191 | 160.0# | 202 | 137 | 141 | 154.0# | 160 | 113 | 37.9 | 97.9 | 55.9 | 123 | 37 | 83.1 | 79.4 | 107 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | 2.2 | <2 | 2.4# | <2 | <20 | <2 | <2 | 2.1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 84.2 | 43.8 | 34.4 | 61.2 | 108 | 76.0# | 78.8 | 53.4 | 46.3 | 55.5 | 78 | 24.9 | 6.9 | 18.2 | 10.4 | 31.2 | 11.4 | 22.3 | 24.1 | 36.1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | 0.64# | <1 | <10 | <1 | <1 | 0.51 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.1 | 4.8 | 2.9 | 6.0 | 2.9 | 4.9 | 4.0 | <10 | 3.8 | 3.1 | 3.9 | <1 | <1 | 1.9 | <1 | 2.8 | <1 | 2.3 | 2.8 | 2.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 13 | 17 | 12 | 18.3 | 12.7 | <0.5 | 17.1 | <10 | 13.1 | 12.8 | 15 | 9.2 | 3.3 | 8.2 | 4.8 | 15.7 | 3.6 | 11.3 | 11.8 | 15.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 244 | 222 | 204 | 239 | 315 | 244 | 302 | 190 | 204 | 225 | 260 | 147 | 48 | 126 | 71 | 173 | 52 | 119 | 118 | 161 |
| Total Concentration of VOCs | | 244 | 222 | 204 | 239 | 315 | 244 | 302 | 190 | 204 | 225 | 260 | 147 | 50 | 126 | 71 | 173 | 52 | 119 | 118 | 161 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-5 (Cont'd) Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 113 | 86.7 | 61.1 | 67.6 | 38.8 | 82.4 | 50 | 57.2 | 44.2 | 58.7 | 40 | 64.7 | 46.8 | 71.3 | 63.2 | 58.1 | 77.4 | 66.4 | 70.1 | 44.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.61 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 46.1 | 32 | 12.9 | 21.1 | 13.8 | 29.2 | 11.1 | 9.1 | 8.3 | 9.2 | 12 | 21 | 19.3 | 43 | 44 | 33.4 | 48.6 | 33.9 | 42.7 | 19.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.2 | 3.1 | <1 | 2.3 | <1 | 3.3 | 3.0 | 3.3 | 2.3 | 2.6 | 1.3 | 2.1 | <1 | 4.2 | 7.2 | 3.9 | 7.4 | 4.9 | 6.1 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 16.3 | 12.5 | 4.4 | 10.4 | 3.5 | 15.6 | 9.8 | 11.5 | 8.1 | 11.4 | 4.0 | 9.3 | 5.4 | 16.3 | 20.2 | 14 | 20.4 | 13.7 | 17.5 | 6.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 179 | 134 | 78 | 101 | 56 | 131 | 74 | 81 | 63 | 82 | 58 | 97 | 72 | 135 | 135 | 109 | 154 | 119 | 136 | 71 |
| Total Concentration of VOCs | | 179 | 134 | 78 | 101 | 56 | 131 | 74 | 81 | 63 | 82 | 58 | 97 | 72 | 135 | 135 | 109 | 154 | 119 | 136 | 71 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-5 (Cont'd) Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 43.2 | 56.6 | 69.3 | 58.3 | 50.5 | 106 | 60.7 | 47.1 | 69.4 | 50.5 | 88.6 | 49.6 | 50.3 | 47.7 | 50.3 | 53.5 | 54.6 | 53.4 | 60.2 | 54.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 10.8 | 23.3 | 42.5 | 27.3 | 28.1 | 60.4 | 43.9 | 19.5 | 34.3 | 32.6 | 42.7 | 30.2 | 23.3 | 21.5 | 26 | 34.6 | 37 | 34.6 | 38.2 | 33.4 |
| cis-1,2-Dichloroethene | 6 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | 1.9 | <1 | 1.2 | <1 | <1 | <1 | <1 | 16 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.0 | 1.1 | 3.4 | 2.7 | 2.9 | 5.2 | 4.6 | 2.0 | 3.6 | 3.4 | 4.6 | 2.6 | 2.9 | 3.5 | 3.2 | 4.7 | 3.7 | 4.4 | 5.7 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.1 | 6.5 | 15.6 | 11.4 | 11.8 | 17.6 | 16.2 | 10 | 13.1 | 13.3 | 15.2 | 10.3 | 8.6 | 10.4 | 10.7 | 14.6 | 12.5 | 13.6 | 13.9 | 8.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 66 | 88 | 131 | 100 | 93 | 189 | 125 | 79 | 122 | 100 | 151 | 93 | 87 | 83 | 91 | 107 | 108 | 106 | 118 | 112 |
| Total Concentration of VOCs | | 66 | 88 | 131 | 100 | 93 | 189 | 125 | 79 | 122 | 100 | 151 | 93 | 87 | 83 | 91 | 107 | 108 | 106 | 118 | 112 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-5 (Cont'd) Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 44.7 | 46.2 | 47.1 | 39.8 | 39.6 | 52.6 | 48 | 43.3 | 55.4 | 54.5 | 43 | 50.1 | 30.8 | 40.4 | 45.8 | 41.2 | 30.3 | 37.6 | 46 | 35.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 32 | 30.1 | 34.3 | 21.4 | 28.1 | 32.1 | 31.5 | 37 | 31.2 | 33.5 | 28.4 | 31.9 | 15.7 | 32.3 | 35.1 | 30.8 | 16.6 | 21.1 | 33 | 23.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.4 | <1 | 2.1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 3.2 | 2.9 | 3.1 | 2.3 | 3.0 | 2.7 | 3.2 | 4.4 | 3.2 | 3.2 | 3.1 | 3.0 | 3.1 | 3.0 | 3.4 | 3.2 | 3.1 | 2.4 | 4.3 | 3.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 11.3 | 11.1 | 11.6 | 7.8 | 9.7 | 9.5 | 10.8 | 13.7 | 10.5 | 11.6 | 10.6 | 9.8 | 7.7 | 9.1 | 10.4 | 10.6 | 9.5 | 8.0 | 12 | 9.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 91 | 90 | 96 | 73 | 80 | 99 | 94 | 98 | 100 | 104 | 85 | 95 | 57 | 85 | 95 | 86 | 60 | 69 | 95 | 72 |
| Total Concentration of VOCs | | 91 | 90 | 96 | 73 | 80 | 99 | 94 | 98 | 100 | 104 | 85 | 95 | 57 | 85 | 95 | 86 | 60 | 69 | 95 | 72 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-99-5 (Cont'd) | | | | | | | | | | | | | | | SB64-99-6 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11* | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Jul-99 | Jul-00 | Feb-03 | Apr-03 | Sep-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <4 | <4 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <1 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 32.8 | 35.6 | 29 | 36.8 | 34.5 | 37.4 | 36 | 32.4 | 32.4 | 35.5 | 31.3 | 28.1 | 23.3 | 27.3 | 25.8 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 19.7 | 18.7 | 20 | 21 | 18.8 | 23.7 | 26 | 16.6 | 14.8 | 20 | 14.9 | 16.1 | 13.7 | 15.1 | 12.6 | 1.0 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.4 | 2.3 | 3.0 | 2.4 | 2.3 | 2.6 | 2.8 | 2.3 | 2.4 | 3.1 | 2.1 | 2.4 | 2.2 | 2.4 | 2.0 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.0 | 7.8 | 8.6 | 8.6 | 7.8 | 8.8 | 9.1 | 7.7 | 8.0 | 8.9 | 7.7 | 8.1 | 7.0 | 7.7 | 7.1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 63 | 64 | 61 | 69 | 63 | 73 | 74 | 59 | 58 | 68 | 56 | 55 | 46 | 53 | 48 | 1.0 | | | | |
| Total Concentration of VOCs | | 63 | 64 | 61 | 69 | 63 | 73 | 74 | 59 | 58 | 68 | 56 | 55 | 46 | 53 | 48 | 1.0 | | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-6 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.54 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | 1.1 | 1.8 | 1.6 | 2.0 | 1.7 | 1.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.9 | 1.1 | 1.4 | 2.3 | 2.4 | 7.4 | <1 | <1 | 2.9 | 4.8 | 5.2 | 3.5 | 3.9 | 2.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.8 | 1.1 | 1.5 | 1.8 | 4.8 | 2.3 | 1.4 | 2.7 | 3.3 | 3.6 | 3.2 | 2.9 | 2.2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 1.9 | 2.9 | 2.5 | 3.8 | 4.2 | 13 | 2.3 | 1.4 | 6.7 | 9.9 | 11 | 8.7 | 8.5 | 5.7 |
| Total Concentration of VOCs | | | | | | | | 1.9 | 2.9 | 2.5 | 3.8 | 4.2 | 13 | 2.3 | 1.4 | 6.7 | 9.9 | 11 | 8.7 | 8.5 | 5.7 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-99-6 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sep-06 | Mar-07 | Sep-07* | Feb-08 | Sep-08 | Mar-09 | Sep-09 | Mar-10 | Sep-10* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | | | | | |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | 0.73 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | 0.57 |
| Chloromethane | | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 2.9 | 4.8 | 3.6 | 4.5 | 4.3 | 3.4 | 4.7 | 4.1 | 5.3 | 6.3 | 4.7 | 6.1 | 6.1 | 5.6 | 3.7 | 3.7 | 4.4 | 4.1 | 5.5 | 6.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 5.2 | 5.6 | 3.4 | 6.2 | 6.1 | 4.0 | 6.7 | 4.8 | 3.9 | 8.8 | 4.0 | 3.8 | 4.2 | 3.4 | 1.8 | 1.7 | 1.7 | 1.2 | 2.1 | 2.8 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | 0.99 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.95 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 3.4 | 4.5 | 3.4 | 5.1 | 4.0 | 2.9 | 4.4 | 3.8 | 3.4 | 5.4 | 3.2 | 2.9 | 3.0 | 2.9 | 1.6 | 1.4 | 1.5 | 1.5 | 1.7 | 3.0 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 12 | 17 | 10 | 16 | 14 | 10 | 16 | 13 | 13 | 21 | 13 | 13 | 13 | 12 | 7.1 | 6.8 | 7.6 | 6.8 | 9.3 | 14 |
| Total Concentration of VOCs | | 12 | 17 | 10 | 16 | 14 | 10 | 16 | 13 | 13 | 21 | 13 | 13 | 13 | 12 | 7.1 | 6.8 | 7.6 | 6.8 | 9.3 | 14 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-99-6 (Cont'd) | | | | SB64-00-1 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-11 | Sep-11 | Mar-12 | Sep-12 | Dec-00 | (D)* | Mar-01 | (D)* | Jun-01 | Sep-01 | (D)* | Mar-02 | Sep-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Methyl tert-Butyl Ether | 13 | | | | | <500 | <0.5 | <5 | <0.5 | <500 | <500 | <0.5 | <500 | <500 | <500 | <250 | <500 | <500 | <500 | <0.5 | <500 |
| Naphthalene | | <2 | <2 | <2 | <2 | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <100 | <0.5 | 5 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <100 | 1.3 | 1.2 | 1.1 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 0.56 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <200 | <1 | <2 | <1 | <200 | <200 | <1 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <1 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | 1.3 | 6.2 | 1.1 | | | | | | | | | | | 0.56 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <200 | <0.5 | <2 | 0.76 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <400 | <1 | <4 | <1 | <1000 | <1000 | <1 | <1000 | <1000 | <1000 | <500 | <1000 | <1000 | <1000 | <1 | <1000 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <100 | <0.5 | 4.1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Chloroethane | | <30 | <30 | <30 | <30 | <3000 | 3.6 | <30 | 4.2 | <3000 | <3000 | <0.5 | <3000 | <3000 | <3000 | <1500 | <3000 | <3000 | <3000 | 1.3 | <3000 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <300 | <0.5 | <3 | <0.5 | <300 | <300 | <0.5 | <300 | <300 | <300 | <150 | <300 | <300 | <300 | <0.5 | <300 |
| Chloromethane | | <10 | <10 | <10 | <10 | <100 | <0.5 | <1 | <0.5 | <1000 | <100 | <0.5 | <1000 | <1000 | <1000 | <500 | <1000 | <1000 | <1000 | <0.5 | <1000 |
| 1,1-Dichloroethane | 5 | 8.3 | 8.2 | 5.2 | 5.4 | 7520.2 | 3700 | 10448 | 7700 | 4681.8 | 5874.9 | <0.5 | 3447.3 | 2455.5 | 2971.7 | 6940 | 6170 | 4590 | 7400 | 5800 | 7070 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <200 | 42 | 75.3 | 54 | <200 | <200 | 32 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | 41 | <200 |
| 1,1-Dichloroethene | 6 | 3.3 | 2.3 | 1.9 | 2.0 | 809.4 | 320 | 1606.7 | 1200 | 523.3 | 717.7 | 220 | 456.8 | 240.7 | 294.7 | 710 | 443 | 504 | 1100 | 660 | 803 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <100 | 18 | 29.4 | 28 | <100 | <100 | 15 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 52 | <100 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 1.2 | <100 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | 198.4 | 140 | 202.7 | 120 | 441.9 | <100 | 110 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 1.7 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <100 | <0.5 | 5.2 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | 172.8 | 90 | 178.6 | 150 | <100 | 100.3 | 37 | <100 | <100 | <100 | 122 | <100 | <100 | 162 | 150 | <100 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <100 | 44 | 26.6 | 32 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <100 | 6.4 | 6.8 | 7.7 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 5.0 | <100 |
| Trichloroethene | 5 | 3.0 | 2.6 | 1.6 | 1.3 | 513 | 180 | 728.6 | 480 | 322 | 405.9 | 190 | 197.1 | <100 | 141.9 | 424 | 349 | 252 | 635 | 450 | 425 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <100 | <0.5 | 156.5 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 |
| Freon-123A | | | | | | <100 | | <1 | | <100 | <100 | | <100 | <100 | <100 | <50 | <100 | <100 | <100 | | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <100 | 9.4 | 23.6 | 17 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | 259 | 6.5 | <100 |
| Total Halogenated Hydrocarbons | | 15 | 13 | 8.7 | 8.7 | 9,214 | 4,587 | 13,492 | 9,794 | 5,969 | 7,099 | 604 | 4,101 | 2,696 | 3,408 | 8,196 | 6,962 | 5,346 | 9,556 | 7,169 | 8,298 |
| Total Concentration of VOCs | | 15 | 13 | 8.7 | 10≈ | 9,214 | 4,589 | 13,498 | 9,795 | 5,969 | 7,099 | 604 | 4,101 | 2,696 | 3,408 | 8,196 | 6,962 | 5,346 | 9,556 | 7,169 | 8,298 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-1 (Cont'd) Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| n-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| sec-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| ter-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Chlorobenzene | 70 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <5 | <500 | <500 | <500 | <250 | <5 | <50 | <500 |
| Naphthalene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 |
| n-Propylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Toluene | 150 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <10 | <200 | <200 | <200 | <100 | <10 | <20 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Bromomethane | 80 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <5 | <1000 | <1000 | <1000 | <100 | <5 | <10 | <1000 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Chloroethane | | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <5 | <3000 | <3000 | <3000 | <1500 | <5 | <300 | <3000 |
| Chloroform | 80 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <5 | <300 | <300 | <300 | <150 | <5 | <30 | <300 |
| Chloromethane | | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <5 | <1000 | <1000 | <1000 | <500 | <5 | <100 | <1000 |
| 1,1-Dichloroethane | 5 | 6810 | 7390 | 6420 | 6510 | 5350 | 4970 | 4510 | 4210 | 3900 | 4960 | 4250 | 3780 | 2600 | 3150 | 2050 | 1040 | 1290 | 1200 | 1490 | 1380 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | 23 | <200 | <200 | <200 | <100 | 13 | <20 | <200 |
| 1,1-Dichloroethene | 6 | 652 | 861 | 681 | 770 | 526 | 492 | 456 | 497 | 468 | 475 | 389 | 415 | 250 | 661 | <100 | <100 | <50 | 130 | 156 | <100 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 32 | <100 | <100 | <100 | <50 | 14 | 19.4 | <100 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 40 | <100 | <100 | <100 | <50 | <10 | <10 | <100 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Tetrachloroethene | 5 | 139 | 112 | <100 | 172 | 204 | 147 | 160 | 141 | <100 | <100 | <100 | <100 | 100 | 443 | <100 | <100 | <50 | 41 | 52.8 | <100 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Trichloroethene | 5 | 519 | 522 | 439 | 473 | 524 | 429 | 486 | 444 | 343 | 358 | 295 | 371 | 290 | 751 | <100 | <100 | <50 | 130 | 168 | <100 |
| Freon-113 | 1200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Freon-123A | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 |
| Vinyl Chloride | 0.5 | <100 | <100 | <100 | 136 | 115 | 197 | 130 | 249 | <100 | <100 | <100 | 281 | 66 | <100 | <100 | <100 | <50 | 5.8 | <10 | <100 |
| Total Halogenated Hydrocarbons | | 8,120 | 8,885 | 7,540 | 8,061 | 6,719 | 6,235 | 5,742 | 5,541 | 4,711 | 49,110 | 4,934 | 4,847 | 3,401 | 5,005 | 2,050 | 1,040 | 1,290 | 1,534 | 1,886 | 1,380 |
| Total Concentration of VOCs | | 8,120 | 8,885 | 7,540 | 8,061 | 6,719 | 6,235 | 5,742 | 5,541 | 4,711 | 49,110 | 4,934 | 4,847 | 3,401 | 5,005 | 2,050 | 1,040 | 1,290 | 1,534 | 1,886 | 1,380 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-1 (Cont'd) Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 |
| Naphthalene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <1 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Bromomethane | 80 | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Chloroethane | | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <0.5 | <300 | <300 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloromethane | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 1200 | 990 | 807 | 484 | 431 | 370 | 363 | 384 | 283 | 187 | 176 | 245 | 193 | 333 | 155 | 173 | 194 | 140 | 174 | 163 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 2.1 | <20 | <20 | <20 | <20 | <20 | <20 | 1.0 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 51 | 53.6 | 60.4 | 31.7 | 15.6 | 40.6 | 27.7 | 19.8 | <10 | <10 | 7.5 | <10 | <10 | 21.3 | <10 | <10 | <10 | 3.6 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | 14.5 | <10 | 14.2 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 3.9 | <10 | <10 | <10 | <10 | <10 | <10 | 1.9 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.6 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 2.2 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Trichloroethene | 5 | 84.7 | 83.6 | 81.6 | 58.4 | 45.5 | 46.1 | 43.3 | 43.9 | 33.9 | 25.7 | 20.6 | 27.6 | 24.5 | 40.2 | 18 | 18.4 | 25.1 | 3.2 | <10 | <10 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Freon-123A | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 1,350 | 1,127 | 963 | 574 | 492 | 457 | 434 | 448 | 317 | 213 | 214 | 273 | 218 | 395 | 173 | 191 | 219 | 150 | 174 | 163 |
| Total Concentration of VOCs | | 1,350 | 1,127 | 963 | 574 | 492 | 457 | 434 | 448 | 317 | 213 | 214 | 273 | 218 | 395 | 173 | 191 | 219 | 440≈ | 174 | 163 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-1 (Cont'd) Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 241 | 552 | 293 | 311 | 331 | 227 | 262 | 322 | 183 | 204 | 263 | 135 | 231 | 189 | 79.5 | 150 | 137 | 41.4 | 180 | 226 |
| 1,2-Dichloroethane | 0.5 | <20 | 3.8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 15.4 | 53.4 | 31.5 | 26.9 | 31.6 | 15.2 | 17.9 | 20.6 | <10 | <10 | 20.5 | <10 | 11.3 | 10.3 | 8.2 | 14.2 | 5.8 | 4.6 | 14.2 | 19.5 |
| cis-1,2-Dichloroethene | 6 | <10 | 18.1 | 14.3 | 11.3 | 17.4 | <10 | <10 | 15.7 | <10 | <10 | 15.2 | <10 | 13 | 14.7 | 4.6 | 7.6 | 8.7 | 1.7 | 9.1 | 17.2 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | 5.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.1 | <1 | 1.0 | 1.0 | <1 | <1 | 1.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 14.2 | 79 | 48.5 | 46.9 | 56.3 | 35.6 | 33.1 | 42.1 | 28.1 | 25 | 46.1 | 20.1 | 32 | 27 | 12.8 | 19.8 | 20.1 | 7.4 | 28.2 | 34.6 |
| Freon-113 | 1200 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | <10 | 9.1 | 18.4 | <10 | 12.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | 1.5 | 2.4 | <1 | <1 | <1 | <1 | 9.8 |
| Total Halogenated Hydrocarbons | | 271 | 721 | 406 | 396 | 449 | 278 | 313 | 400 | 211 | 229 | 345 | 155 | 288 | 243 | 109 | 193 | 172 | 55 | 233 | 307 |
| Total Concentration of VOCs | | 271 | 721 | 406 | 396 | 449 | 278 | 313 | 400 | 211 | 229 | 345 | 155 | 288 | 243 | 109 | 193 | 172 | 55 | 233 | 307 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-1 (Cont'd) Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 107 | 178 | 116 | 94.4 | 111 | 110 | 128 | 121 | 108 | 84.3 | 127 | 89.9 | 131 | 114 | 72 | 116 | 116 | 93.5 | 119 | 68 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 9.6 | 12.8 | 11.4 | 8.6 | 10.5 | 11.9 | 14.1 | 12 | 10.8 | 9.0 | 12.9 | 10.5 | 13.5 | 11.9 | 8.2 | 11.5 | 11.3 | 12.4 | 12.9 | 6.8 |
| cis-1,2-Dichloroethene | 6 | 3.8 | 14.1 | 3.9 | 6.0 | 6.4 | 3.5 | 8.1 | 8.7 | 9.3 | 4.4 | 11.4 | 4.8 | 9.7 | 6.0 | 5.6 | 5.3 | 11.7 | 5.0 | 10.3 | 4.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.4 | 1.2 | 1.9 | 1.3 | 1.6 | 2.8 | 2.2 | 1.3 | 1.4 | 1.7 | 1.5 | 2.0 | 1.5 | 2.4 | 1.5 | 2.8 | 1.3 | 2.0 | <1 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 16.9 | 23.8 | 18.9 | 13.5 | 16.5 | 17.2 | 20.5 | 18.3 | 17.3 | 13.7 | 18.9 | 15 | 20.3 | 17.9 | 11 | 18.5 | 14.4 | 15.9 | 14.2 | 10 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | 11.3 | <1 | 1.5 | 2.5 | <1 | 4.3 | 5.0 | <1 | <1 | 8.4 | <1 | 5.2 | <1 | 2.4 | <1 | 10 | <1 | 7.3 | <1 |
| Total Halogenated Hydrocarbons | | 139 | 241 | 152 | 125 | 149 | 145 | 177 | 166 | 147 | 113 | 180 | 122 | 181 | 152 | 101 | 154 | 165 | 129 | 164 | 90 |
| Total Concentration of VOCs | | 139 | 241 | 152 | 125 | 149 | 145 | 177 | 166 | 147 | 113 | 180 | 122 | 181 | 152 | 101 | 154 | 165 | 129 | 164 | 90 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-1 (Cont'd) Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | (D)* | Nov-11 | Jan-12 | Mar-12 | May-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 139 | 86.2 | 152 | 63.1 | 127 | 106 | 99.3 | 110 | 86 | 124 | 54.9 | 110 | 68 | 50.4 | 50.2 | 46 | 66.7 | 76 | 51.9 | 39 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.6 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 16.2 | 11.3 | 14.8 | 7.1 | 11.6 | 10.6 | 13.7 | 10.5 | 11 | 12.5 | 5.7 | 10.3 | 6 | 5.8 | 4.8 | 6.6 | 8.8 | 10.4 | 6.4 | 5.4 |
| cis-1,2-Dichloroethene | 6 | 12.7 | 5.2 | 17.5 | 3.6 | 15.1 | 13.2 | 5.9 | 14.8 | 10 | 18.8 | 2.9 | 11.7 | 3.5 | 2.8 | 1.7 | 2.4 | 2.9 | 2.9 | 1.6 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.4 | 1.6 | 1.0 | 1.6 | <1 | 1.2 | 2.0 | <1 | 1.4 | <1 | 1.1 | <1 | 1.4 | 1.6 | 1.1 | 1.5 | 2.9 | 2.4 | 1.6 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 16.7 | 11.5 | 19.6 | 10.9 | 14.8 | 15.2 | 14.7 | 13.5 | 14 | 16.1 | 6.2 | 13.9 | 10 | 7.6 | 6.6 | 6.6 | 10.1 | 11.5 | 8.2 | 5.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 8.3 | <1 | 11.2 | <1 | 12.6 | 13 | <1 | 11.5 | 9.0 | 13.1 | <1 | 9.2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 194 | 116 | 216 | 86 | 181 | 159 | 136 | 160 | 132 | 185 | 71 | 155 | 89 | 68 | 64 | 63 | 91 | 103 | 70 | 53 |
| Total Concentration of VOCs | | 194 | 116 | 216 | 86 | 181 | 159 | 136 | 160 | 132 | 185 | 71 | 155 | 89 | 68 | 64 | 63 | 91 | 103 | 70 | 53 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-00-1 (Cont'd) | | | SB64-00-2 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-12 | Sep-12 | (D)* | Dec-00 | (D)* | Apr-01 | Jun-01 | Sep-01 | Mar-02 | Sep-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Feb-04 | Feb-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | <50 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <40 | <1 | <4 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <0.5 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 33.6 | 46.5 | 47 | <10 | 8.0 # | 26.4 | 22.8 | 13.9 | 32.3 | 30.9 | 12.3 | 34.4 | 35.9 | 92.6 | 81.9 | 98 | 7.3 | 199 | 194 | 219 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <20 | <0.5 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | 2.9 | 3.3 | 3.5 | <2 | 6.5 | 8.3 | 10.2 |
| 1,1-Dichloroethene | 6 | 5.5 | 6.3 | 6.9 | 25.8 | 26 # | 58.2 | 50.9 | 32.2 | 74.5 | 108.8 | 35 | 85.3 | 63.1 | 364 | 314 | 280 | 28.6 | 507 | 697 | 829 |
| cis-1,2-Dichloroethene | 6 | 1.1 | 1.8 | 2.2 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.2 | 3.3 | 3.6 | <1 | 5.7 | 6.4 | 7.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.56 | <1 | <1 | 1.1 | 1.4 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | 1.3 | 1.8 | <10 | 1.1 | <1 | 5.3 | 1.8 | 3.0 | 3.0 | 4.4 | 4.7 | 3.8 | 4.8 | 8.1 | 11.0# | <1 | 23.4 | 36.4 | 45.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <10 | 0.81 | 3.0 | 1.6 | <1 | 1.0 | 1.0 | <1 | <1 | <1 | <1 | 1.1 | 1.5 | <1 | 2.2 | 3.0 | 4.0 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.0 |
| Trichloroethene | 5 | 5.3 | 7.4 | 7.5 | <10 | 3.0 | 9.7 | 7.9 | 4.7 | 8.7 | 10.3 | 4.5 | 12.5 | 12.3 | 34.1 | 35.5 | 51 | 4.2 | 99.8 | 130 | 160 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 47 | 63 | 65 | 26 | 39 | 97 | 89 | 53 | 120 | 154 | 56 | 137 | 115 | 502 | 447 | 449 | 40 | 844 | 1,076 | 1,277 |
| Total Concentration of VOCs | | 47 | 63 | 65 | 26 | 39 | 97 | 89 | 53 | 120 | 154 | 56 | 137 | 115 | 502 | 447 | 449 | 40 | 844 | 1,076 | 1,277 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-2 (Cont'd) Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <50 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <20 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <300 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <30 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 70.4 | 67.2 | 197 | 134 | 270 | 211 | 130 | 145 | 146 | 150 | 191 | 176 | 104 | 121 | 83 | 75.5 | 107 | 129 | 158 | 216 |
| 1,2-Dichloroethane | 0.5 | 3.5 | <20 | 7.5 | 6.2 | 8.6 | 6.6 | 6.4 | 6.9 | 7.2 | 9.6# | 8.5 | <20 | 5.6 | 6.1 | 5.3 | 3.6 | 5.1 | 6.2 | 7.6 | 7.5 |
| 1,1-Dichloroethene | 6 | 200 | 138 | 575 | 352 | 889 | 731 | 339 | 269 | 456 | 430 | 603 | 556 | 206 | 387 | 220 | 187 | 332 | 490 | 603 | 1160 |
| cis-1,2-Dichloroethene | 6 | 2.0 | <10 | 4.9 | 4.1 | 5.8 | 5.4 | 3.9 | 4.0 | 5.3 | 5.6# | 5.7 | <10 | 4.2 | 4.5 | 2.8 | 2.5 | 3.8 | 4.3 | 6.9 | 7.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | 1.0# | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.5 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 13.4 | 15.8 | 61.3 | 46.1 | 92.3 | 56.6 | 37.3 | 38.2 | 52.1 | 61 | 76.5 | 73 | 38 | 51.6 | 30 | 22.5 | 36.8 | 36.2 | 56.9 | 80 |
| 1,1,1-Trichloroethane | 200 | 1.2 | <10 | 3.4 | 2.4 | 4.1 | 2.7 | 2.1 | 2 | 2.1 | 3.1# | 2.7 | <10 | <1 | 1.6 | 0.99 | <1 | <1 | <1 | 1.3 | 1.6 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | 1.3 | <1 | 1.5 | <1 | <1 | <1 | <1 | 1.4 | <1 | <10 | <1 | <1 | 0.76 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 51.5 | 46.8 | 145 | 122 | 242 | 126 | 97.7 | 104 | 131 | 140 | 194 | 177 | 98.8 | 116 | 78 | 60.7 | 98.9 | 111 | 186 | 285 |
| Freon-113 | 1200 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 2.4 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 342 | 268 | 995 | 667 | 1,514 | 1,139 | 616 | 569 | 800 | 802 | 1,081 | 982 | 457 | 688 | 421 | 352 | 584 | 777 | 1,020 | 1,761 |
| Total Concentration of VOCs | | 342 | 268 | 995 | 667 | 1,514 | 1,139 | 616 | 569 | 800 | 802 | 1,081 | 982 | 457 | 688 | 421 | 352 | 584 | 777 | 1,020 | 1,761 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-2 (Cont'd) Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 | <20 | | <2 | <20 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <50 | <5 | <5 | <50 | | <5 | <50 | <5 | <50 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 | <20 | | <2 | <20 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 | <20 | <1 | <2 | <20 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <100 | <10 | <10 | <100 | <1 | <10 | <100 | <10 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <300 | <30 | <30 | <300 | <0.5 | <30 | <300 | <30 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <30 | <3 | <3 | <30 | <0.5 | <3 | <30 | <3 | <30 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <100 | <10 | <10 | <100 | <0.5 | <10 | <100 | <10 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 143 | 139 | 107 | 118 | 101 | 60.3 | 65.3 | 40.6 | 43.1 | 43.1 | 41.6 | 56.5 | 56.7 | 49.7 | 48 | 51.2 | 43.1 | 35.4 | 38.4 | 28.2 |
| 1,2-Dichloroethane | 0.5 | 6.8 | 7.0 | 6.0 | 5.3 | 5.0 | 2.3 | 2.7 | <20 | <2 | 2.1 | <20 | 2.7 | 2.7 | <20 | 2.7 | 2.4 | <20 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 623 | 918 | 534 | 479 | 401 | 363 | 284 | 179 | 213 | 178 | 151 | 171 | 185 | 229 | 180 | 129 | 164 | 154 | 148 | 161 |
| cis-1,2-Dichloroethene | 6 | 5.9 | 5.2 | 4.6 | 4.2 | 3.6 | 2.5 | 2.9 | <10 | 2.2 | 1.9 | <10 | 2.3 | 2.3 | <10 | 2.1 | 1.9 | <10 | 1.6 | <10 | 1.3 |
| trans-1,2-Dichloroethene | 10 | 1.2 | 1.2 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | 0.55 | <1 | <10 | <1 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 | <20 | <0.5 | <2 | <20 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 67.5 | 70.6 | 54.8 | 52.2 | 49.8 | 47.8 | 33.4 | 21.5 | 28.2 | 24.4 | 21.3 | 30.2 | 27.3 | 25 | 24 | 26.6 | 23.2 | 22.4 | 18.7 | 23 |
| 1,1,1-Trichloroethane | 200 | 1.2 | 1.2 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Trichloroethene | 5 | 156 | 204 | 160 | 137 | 131 | 96.5 | 80.2 | 54 | 66.8 | 64.8 | 52.8 | 83.9 | 74.7 | 69 | 65 | 62.6 | 71.8 | 52.2 | 50.5 | 45.1 |
| Freon-113 | 1200 | 1.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | | <1 | <10 | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 1,006 | 1,348 | 866 | 796 | 691 | 572 | 469 | 295 | 353 | 314 | 267 | 347 | 349 | 373 | 322 | 274 | 302 | 266 | 256 | 259 |
| Total Concentration of VOCs | | 1,006 | 1,348 | 866 | 796 | 691 | 572 | 469 | 295 | 353 | 314 | 267 | 347 | 349 | 373 | 432≈ | 274 | 302 | 266 | 256 | 259 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 35.4 | 29.2 | 33.5 | 35.6 | 32.1 | 26.9 | 29.5 | 28.2 | 26.5 | 29 | 26.4 | 31 | 26.8 | 26.8 | 26.5 | 29 | 33.8 | 34.7 | 30 | 28.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 144 | 150 | 141 | 189 | 152 | 125 | 133 | 151 | 111 | 160 | 104 | 144 | 127 | 112 | 117 | 116 | 131 | 155 | 117 | 96.8 |
| cis-1,2-Dichloroethene | 6 | 1.7 | 1.3 | 1.7 | 1.6 | 1.5 | 1.3 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.7 | 1.5 | 1.3 | 1.5 | 1.6 | 1.8 | 2.2 | 1.8 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 18.5 | 21.8 | 19.8 | 20.1 | 16.8 | 17.3 | 16.1 | 18.1 | 16 | 21.6 | 13.2 | 17 | 17 | 14.9 | 15.6 | 17.6 | 18.1 | 21.1 | 17.8 | 13.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 45.7 | 47.7 | 48 | 50.8 | 41.2 | 38.2 | 37.8 | 46.2 | 39.9 | 48.1 | 37.5 | 48.4 | 40.3 | 43.7 | 44.2 | 46.7 | 54.1 | 58.2 | 51.9 | 44.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 245 | 250 | 244 | 297 | 244 | 209 | 218 | 245 | 195 | 260 | 182 | 242 | 213 | 199 | 205 | 211 | 239 | 271 | 219 | 184 |
| Total Concentration of VOCs | | 245 | 250 | 244 | 297 | 244 | 209 | 218 | 245 | 195 | 260 | 182 | 242 | 213 | 199 | 205 | 211 | 239 | 271 | 219 | 184 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-2 (Cont'd) Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 35.4 | 23.6 | 20.7 | 35.8 | 24.4 | 23.5 | 17.8 | 31.1 | 13 | 23.6 | 10 | 35.5 | 7.5 | 38 | 14.4 | 33.5 | 24 | 33.7 | 10.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 2.1 | <2 | 2.4 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 132 | 86.2 | 57.9 | 129 | 88.3 | 80.1 | 61.3 | 93.9 | 43.9 | 69.1 | 37.7 | 128 | 31.4 | 116 | 47.4 | 115 | 65.9 | 126 | 38.4 |
| cis-1,2-Dichloroethene | 6 | 1.9 | <1 | <1 | 1.8 | 1.4 | <1 | <1 | 1.5 | <1 | 1.3 | <1 | 1.7 | <1 | 2.4 | 1.1 | 1.8 | 1.4 | 1.7 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 17.4 | 14.3 | 9.7 | 23 | 12.3 | 15 | 9.4 | 16.4 | 8 | 11.4 | 5.9 | 21 | 3.9 | 20.4 | 7.2 | 15.5 | 10.9 | 16.6 | 4.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 60.7 | 42.7 | 29.9 | 66.5 | 41.3 | 41.4 | 28.7 | 51.7 | 21.8 | 37.6 | 17.1 | 75.3 | 11 | 70 | 21.9 | 53.5 | 40.2 | 53.7 | 14.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 247 | 167 | 118 | 256 | 168 | 160 | 117 | 195 | 87 | 143 | 71 | 264 | 54 | 249 | 92 | 219 | 142 | 232 | 69 |
| Total Concentration of VOCs | | 247 | 167 | 118 | 256 | 168 | 160 | 117 | 195 | 87 | 143 | 71 | 264 | 54 | 249 | 92 | 219 | 142 | 232 | 69 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-00-2 (Cont'd) Jun-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 27.1 | 10.9 | 29.9 | 32.1 | 13.8 | 34.2 | 23 | 30.2 | 22.3 | 38.3 | 23 | 13.4 | 20.9 | 5.6 | 24.7 | 10.4 | 11.5 | 7.2 | 5.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | 1.3 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 93 | 33.9 | 89.4 | 96.6 | 47.9 | 115 | 84 | 108 | 60.8 | 135 | 60.1 | 34.6 | 78.5 | 21.1 | 127 | 44.6 | 35.4 | 28.7 | 22 |
| cis-1,2-Dichloroethene | 6 | 1.5 | <1 | 1.6 | 1.6 | 1.0 | 1.8 | 1.4 | 1.7 | 1.1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 15.5 | 6.2 | 11.2 | 18.4 | 5.5 | 16.6 | 13 | 15.2 | 7.2 | 18.4 | 8.4 | 5.5 | 8.5 | 3.5 | 13.9 | 5.9 | 5.3 | 3.5 | 2.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 48.4 | 18 | 45.1 | 63.9 | 20.6 | 58.7 | 42 | 52.2 | 27.4 | 60.9 | 33.8 | 19.4 | 29.5 | 8.8 | 41.4 | 17.8 | 16.4 | 11.8 | 9.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 186 | 69 | 177 | 213 | 89 | 226 | 165 | 207 | 119 | 254 | 127 | 73 | 137 | 39 | 207 | 79 | 69 | 51 | 40 |
| Total Concentration of VOCs | | 186 | 69 | 177 | 213 | 89 | 226 | 165 | 207 | 119 | 254 | 127 | 73 | 137 | 39 | 207 | 79 | 69 | 51 | 40 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1A | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | (D)* | Jan-06 | Mar-06* | Apr-06 | (D)* | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| sec-Butylbenzene | | <1 | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| ter-Butylbenzene | | <1 | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| Chlorobenzene | 70 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <200 | <200 | <200 | | <200 | | <200 | | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | |
| p-Isopropyltoluene | | <1 | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <500 | <500 | <500 | <100 | <500 | | <500 | | <500 | <500 | <50 | <500 | <500 | <500 | <500 | <500 | <500 | |
| Naphthalene | | <2 | <2 | <200 | <200 | <200 | | <200 | | <200 | | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | |
| n-Propylbenzene | | <1 | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| Toluene | 150 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 1 |
| Xylenes, total | 1750 | <2 | <2 | <200 | <200 | <200 | <200 | <200 | <50 | <200 | <50 | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | 1 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <1000 | <1000 | <1000 | <100 | <1000 | <50 | <1000 | <50 | <1000 | <1000 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1 |
| Carbon Tetrachloride | 0.5 | 31.1 | 15.9 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Chloroethane | | <30 | <30 | <3000 | <3000 | <3000 | <100 | <3000 | <25 | <3000 | <25 | <3000 | <3000 | <300 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | 1.8 |
| Chloroform | 80 | <3 | <3 | <300 | <300 | <300 | <100 | <300 | <25 | <300 | <25 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <0.5 |
| Chloromethane | | <10 | <10 | <1000 | <1000 | <1000 | <100 | <1000 | <25 | <1000 | <25 | <1000 | <1000 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <0.5 |
| 1,1-Dichloroethane | 5 | 9000 | 7550 | 5940 | 8560 | 6020 | 5000 | 7220 | 6300 | 5580 | 6100 | 7040 | 5340 | 5490 | 5450 | 5550 | 4560 | 4300 | 4140 | 3560 | 3000 |
| 1,2-Dichloroethane | 0.5 | 53.7 | 63 | <200 | <200 | <200 | <100 | <200 | 58 | <200 | 45 | <200 | <200 | 48.6 | <200 | <200 | <200 | <200 | <200 | <200 | 34 |
| 1,1-Dichloroethene | 6 | 1330 | 1680 | 952 | 1180 | 970 | 730 | 1160 | 960 | 916 | 1000 | 1170 | 765 | 807 | 811 | 714 | 588 | 566 | 624 | 460 | 490 |
| cis-1,2-Dichloroethene | 6 | 45.1 | 60.9 | <100 | <100 | <100 | <100 | <100 | 50 | <100 | 48 | <100 | <100 | 56.1 | <100 | <100 | <100 | <100 | <100 | <100 | 58 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 0.73 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <100 | <100 | <100 | <200 | <100 | <50 | <100 | <50 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <200 | <200 | <200 | <100 | <200 | <25 | <200 | <25 | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | 3.0 | 4.8 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Tetrachloroethene | 5 | 131 | 156 | 163 | 181 | 168 | 120 | 199 | 230 | 162 | 200 | 212 | 119 | 128 | 184 | <100 | 122 | <100 | 215 | 120 | 160 |
| 1,1,1-Trichloroethane | 200 | 217 | 120 | <100 | <100 | <100 | <100 | <100 | 54 | <100 | 46 | <100 | <100 | 32.1 | <100 | <100 | <100 | <100 | <100 | <100 | 6.8 |
| 1,1,2-Trichloroethane | 5 | 12.9 | 12.2 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 5.2 |
| Trichloroethene | 5 | 521 | 550 | 539 | 701 | 616 | 420 | 810 | 640 | 584 | 640 | 724 | 460 | 534 | 574 | 594 | 486 | 415 | 644 | 458 | 430 |
| Freon-113 | 1200 | <1 | 3.0 | <100 | <100 | <100 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 |
| Freon-123A | | < | <1 | <100 | <100 | <100 | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | |
| Vinyl Chloride | 0.5 | 5.4 | 8.9 | <100 | <100 | <100 | <100 | <100 | 68 | 116 | 120 | 180 | 176 | 137 | 160 | 157 | 132 | 274 | 283 | 256 | 230 |
| Total Halogenated Hydrocarbons | | 11,350 | 10,225 | 7,594 | 10,622 | 7,774 | 6,270 | 9,389 | 8,360 | 7,358 | 8,199 | 9,326 | 6,860 | 7,233 | 7,179 | 7,015 | 5,888 | 5,555 | 5,906 | 4,854 | 4,417 |
| Total Concentration of VOCs | | 11,350 | 10,225 | 7,594 | 10,622 | 7,774 | 6,270 | 9,389 | 20,360≈ | 7,358 | 19,199≈ | 9,326 | 6,860 | 7,233 | 7,179 | 7,015 | 5,888 | 5,555 | 5,906 | 4,854 | 8,518≈ |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1A (Cont'd) Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | (D)* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| n-Butylbenzene | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| sec-Butylbenzene | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| ter-Butylbenzene | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Chlorobenzene | 70 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Isopropylbenzene | | <200 | <200 | <200 | <100 | | | <200 | <200 | <200 | <200 | <200 | <2 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <250 | | | <500 | <500 | <500 | <500 | <500 | | | | | | | | | |
| Naphthalene | | <200 | <200 | <200 | <100 | | | <200 | <200 | <200 | <200 | <200 | <2 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| n-Propylbenzene | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Toluene | 150 | <100 | <100 | <100 | <50 | 0.52 | 0.51 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <100 | <1 | <1 | <200 | <200 | <200 | <200 | <200 | <2 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | 0.52 | 0.51 | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Bromomethane | 80 | <1000 | <1000 | <1000 | <100 | <1 | <1 | <1000 | <1000 | <1000 | <1000 | <1000 | <10 | <1000 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Chloroethane | | <3000 | <3000 | <3000 | <1500 | 1.3 | 0.97 | <3000 | <3000 | <3000 | <3000 | <3000 | <30 | <3000 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 |
| Chloroform | 80 | <300 | <300 | <300 | <150 | <0.5 | <0.5 | <300 | <300 | <300 | <300 | <300 | <3 | <300 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloromethane | | <1000 | <1000 | <1000 | <500 | <0.5 | <0.5 | <1000 | <1000 | <1000 | <1000 | <1000 | <10 | <1000 | <500 | <500 | <500 | <500 | <500 | <500 | <500 |
| 1,1-Dichloroethane | 5 | 3150 | 4340 | 3060 | 3110 | 2100 | 1500 | 2730 | 2450 | 2900 | 2090 | 2170 | 1160 | 2130 | 1710 | 1930 | 1520 | 1470 | 1260 | 1600 | 1180 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <100 | 27 | 25 | <200 | <200 | <200 | <200 | <200 | 17.2 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 438 | 639 | 422 | 416 | 330 | 250 | 318 | 322 | 424 | 285 | 367 | 123 | 262 | 190 | 245 | 188 | 194 | 156 | 186 | 144 |
| cis-1,2-Dichloroethene | 6 | <100 | 104 | <100 | <50 | 47 | 45 | <100 | <100 | <100 | <100 | <100 | 34.8 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <50 | 0.62 | 0.61 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <50 | <1 | <1 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <100 | <0.5 | <0.5 | <200 | <200 | <200 | <200 | <200 | <2 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | 3.0 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Tetrachloroethene | 5 | <100 | 203 | <100 | 138 | 150 | 96 | <100 | <100 | 145 | <100 | 194 | 53 | 141 | 93.1 | 124 | 116 | 107 | 90.2 | 112 | 105 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <50 | 9.5 | 7.6 | <100 | <100 | <100 | <100 | <100 | 4.6 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <50 | 4.6 | 4.3 | <100 | <100 | <100 | <100 | <100 | 2.9 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Trichloroethene | 5 | 438 | 704 | 395 | 429 | 410 | 320 | 348 | 314 | 421 | 360 | 468 | 181 | 378 | 296 | 317 | 281 | 278 | 237 | 277 | 248 |
| Freon-113 | 1200 | <100 | <100 | <100 | <50 | <0.5 | <0.5 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Freon-123A | | <100 | <100 | <100 | <50 | | | <100 | <100 | <100 | <100 | <100 | | | | | | | | | |
| Vinyl Chloride | 0.5 | 184 | 462 | <100 | 87.5 | 18 | 13 | <100 | <100 | <100 | 141 | <100 | 1.4 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 4,210 | 6,452 | 3,877 | 4,181 | 3,098 | 2,262 | 3,396 | 3,086 | 3,890 | 2,876 | 3,199 | 1,581 | 2,911 | 2,289 | 2,616 | 2,105 | 2,049 | 1,743 | 2,175 | 1,677 |
| Total Concentration of VOCs | | 4,210 | 6,452 | 3,877 | 4,181 | 7,499≈ | 6,663≈ | 3,396 | 3,086 | 3,890 | 2,876 | 3,199 | 1,581 | 2,911 | 2,289 | 2,616 | 2,105 | 2,049 | 1,743 | 2,175 | 1,677 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1A (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| n-Butylbenzene | | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| sec-Butylbenzene | | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| ter-Butylbenzene | | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Chlorobenzene | 70 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Ethylbenzene | 300 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Isopropylbenzene | | <2 | <100 | <100 | <2 | <100 | <100 | <100 | <100 | <20 | <20 | <20 | <100 | <200 | <100 | <20 | <20 | <20 | <200 | <20 | <10 |
| p-Isopropyltoluene | | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <100 | <100 | <2 | <100 | <100 | <100 | <100 | <20 | <20 | <20 | <100 | <200 | <100 | <20 | <20 | <20 | <200 | <20 | <10 |
| n-Propylbenzene | | 2.5 | <50 | <50 | 1.7 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Toluene | 150 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Xylenes, total | 1750 | <2 | <100 | <100 | <2 | <100 | <100 | <100 | <100 | <20 | <20 | <20 | <100 | <200 | <100 | <20 | <20 | <20 | <200 | <20 | <10 |
| Total Aromatic Hydrocarbons | | 2.5 | | | 1.7 | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Bromomethane | 80 | <10 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <1000 | <100 | <100 | <100 | <100 | <1000 | <100 | <50 |
| Carbon Tetrachloride | 0.5 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Chloroethane | | <30 | <1500 | <1500 | <30 | <1500 | <1500 | <1500 | <1500 | <300 | <300 | <300 | <1500 | <3000 | <1500 | <300 | <300 | <300 | <3000 | <300 | <150 |
| Chloroform | 80 | <3 | <150 | <150 | <3 | <150 | <150 | <150 | <150 | <30 | <30 | <30 | <150 | <300 | <150 | <30 | <30 | <30 | <300 | <30 | <15 |
| Chloromethane | | <10 | <500 | <500 | <10 | <500 | <500 | <500 | <500 | <100 | <100 | <100 | <500 | <1000 | <500 | <100 | <100 | <100 | <1000 | <100 | <50 |
| 1,1-Dichloroethane | 5 | 1510 | 1640 | 1030 | 913 | 637 | 684 | 1040 | 802 | 1100 | 940 | 516 | 928 | 1050 | 961 | 744 | 782 | 602 | 999 | 636 | 728 |
| 1,2-Dichloroethane | 0.5 | 18.7 | <100 | <100 | 8.0 | <100 | <100 | <100 | <100 | <20 | <20 | <20 | <100 | <200 | <100 | <20 | <20 | <20 | <200 | <20 | <10 |
| 1,1-Dichloroethene | 6 | 182 | 182 | 128 | 122 | 79.9 | 99.8 | 125 | 98.2 | 123 | 111 | 60.9 | 91.1 | <100 | 98.7 | 101 | 91.1 | 66.7 | <100 | 81.8 | 89.8 |
| cis-1,2-Dichloroethene | 6 | 52.7 | <50 | <50 | 24.4 | <50 | <50 | <50 | <50 | 35.1 | 33.6 | 26.4 | <50 | <100 | <50 | 38.8 | 31.7 | 28.5 | <100 | 37.5 | 40.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| 1,2-Dichloropropane | 5 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Methylene Chloride | 5 | <1 | <50 | 968 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| 1,1,1,2-Tetrachloroethane | | <2 | <100 | <100 | <2 | <100 | <100 | <100 | <100 | <20 | <20 | <20 | <100 | <200 | <100 | <20 | <20 | <20 | <200 | <20 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | 4.0 | <50 | <50 | 2.6 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Tetrachloroethene | 5 | 105 | 114 | 91.5 | 86.5 | 75.9 | 86.8 | 91.3 | 80.7 | 80.3 | 69.2 | 43.5 | <50 | <100 | 64.3 | 76 | 49.5 | 46.3 | 224 | 57 | 50.9 |
| 1,1,1-Trichloroethane | 200 | 4.2 | <50 | <50 | 1.8 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| 1,1,2-Trichloroethane | 5 | 2.6 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Trichloroethene | 5 | 207 | 319 | 216 | 203 | 150 | 194 | 229 | 161 | 201 | 175 | 125 | 164 | 211 | 189 | 179 | 154 | 121 | 216 | 122 | 150 |
| Freon-113 | 1200 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 3.4 | <50 | <50 | 3.4 | <50 | <50 | <50 | <50 | <10 | 30.9 | <10 | <50 | <100 | <50 | <10 | <10 | <10 | <100 | <10 | <5 |
| Total Halogenated Hydrocarbons | | 2,090 | 2,255 | 2,434 | 1,365 | 943 | 1,065 | 1,485 | 1,142 | 1,539 | 1,360 | 772 | 1,183 | 1,261 | 1,313 | 1,139 | 1,108 | 865 | 1,439 | 934 | 1,060 |
| Total Concentration of VOCs | | 2,092 | 2,255 | 2,434 | 1,366 | 943 | 1,065 | 1,485 | 1,142 | 1,539 | 1,360 | 772 | 1,183 | 1,261 | 1,313 | 1,139 | 1,108 | 865 | 1,439 | 934 | 1,060 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-1A (Cont'd) | | | | | | | | | | | SB64-02-1B | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Nov-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| n-Butylbenzene | | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| sec-Butylbenzene | | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| ter-Butylbenzene | | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Chlorobenzene | 70 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Ethylbenzene | 300 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Isopropylbenzene | | <2 | <10 | <20 | <2 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 |
| p-Isopropyltoluene | | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <500 | <500 | <500 | <500 | <250 | <250 | <500 | <500 | <5 |
| Naphthalene | | <2 | <10 | <20 | <2 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 |
| n-Propylbenzene | | 1.5 | <5 | <10 | 1.5 | <100 | 1.4 | 1.6 | 1.5 | 1.5 | 1.2 | 1.4 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Toluene | 150 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Xylenes, total | 1750 | <2 | <10 | <20 | <2 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 |
| Total Aromatic Hydrocarbons | | 1.5 | | | 1.5 | | 1.4 | 1.6 | 1.5 | 1.5 | 1.2 | 1.4 | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Bromomethane | 80 | <10 | <50 | <100 | <10 | <1000 | <10 | <10 | <10 | <10 | <10 | <10 | <1000 | <1000 | <1000 | <1000 | <100 | <100 | <1000 | <1000 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Chloroethane | | <30 | <150 | <300 | <30 | <3000 | <30 | <30 | <30 | <30 | <30 | <30 | <3000 | <3000 | <3000 | <3000 | <1500 | <1500 | <3000 | <3000 | <30 |
| Chloroform | 80 | <3 | <15 | <30 | <3 | <300 | <3 | <3 | <3 | <3 | <3 | <3 | <300 | <300 | <300 | <300 | <150 | <150 | <300 | <300 | <3 |
| Chloromethane | | <10 | <50 | <100 | <10 | <1000 | <10 | <10 | <10 | <10 | <10 | <10 | <1000 | <1000 | <1000 | <1000 | <500 | <500 | <1000 | <1000 | <10 |
| 1,1-Dichloroethane | 5 | 835 | 833 | 715 | 639 | 785 | 592 | 676 | 671 | 646 | 564 | 558 | 12929 | 12860 | 8530 | 2170 | 3090 | 2510 | 3620 | 734 | 697 |
| 1,2-Dichloroethane | 0.5 | 6.7 | <10 | <20 | 6.3 | <200 | 5.6 | 6.7 | 6.0 | 6.4 | 5.2 | 5.1 | <100 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | 5.6 |
| 1,1-Dichloroethene | 6 | 120 | 83.2 | 66.7 | 94.6 | <100 | 87.8 | 101 | 93.2 | 86.5 | 70.4 | 79.4 | 1710.9 | 1342.7 | 773 | 241 | 260 | 352 | 703 | <100 | 90.1 |
| cis-1,2-Dichloroethene | 6 | 48 | 37 | 42.7 | 44.8 | <100 | 63.3 | 70.4 | 83.3 | 62.1 | 53.1 | 60.8 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | 16.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Methylene Chloride | 5 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <10 | <20 | <2 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | 1.9 | <5 | <10 | 1.9 | <100 | 2.1 | 2.2 | 2.0 | 2.7 | 1.9 | 1.9 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | 1.2 |
| Tetrachloroethene | 5 | 60.1 | 50.3 | 48.9 | 65 | <100 | 54 | 54.8 | 55.1 | 55.1 | 50.2 | 50.4 | 135.6 | 116.5 | 104 | <100 | <50 | 76.5 | <100 | <100 | 39 |
| 1,1,1-Trichloroethane | 200 | 2.5 | <5 | <10 | 2.0 | <100 | 2.1 | 2.1 | 2.1 | 1.9 | 1.7 | 1.7 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Trichloroethene | 5 | 162 | 144 | 140 | 132 | 145 | 148 | 130 | 147 | 144 | 134 | 142 | 680.7 | 765.9 | 409 | 162 | 192 | 325 | 454 | <100 | 127 |
| Freon-113 | 1200 | <1 | <5 | <10 | <1 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Freon-123A | | | | | | | | | | | | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 |
| Vinyl Chloride | 0.5 | <1 | <5 | <10 | 2.2 | <100 | 6.1 | 10.8 | 2.4 | 8.2 | 10 | 8.1 | 460.5 | 835.1 | 542 | 201 | <50 | 135 | 205 | <100 | 99.8 |
| Total Halogenated Hydrocarbons | | 1,236 | 1,148 | 1,013 | 988 | 930 | 961 | 1,054 | 1,062 | 1,013 | 891 | 907 | 15,917 | 15,920 | 10,358 | 2,774 | 3,542 | 3,399 | 4,982 | 734 | 1,076 |
| Total Concentration of VOCs | | 1,238 | 1,148 | 1,013 | 989 | 930 | 962 | 1,056 | 1,064 | 1,014 | 892 | 909 | 15,917 | 15,920 | 10,358 | 2,774 | 3,542 | 3,399 | 4,982 | 734 | 1,076 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1B (Cont'd) Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| n-Butylbenzene | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| sec-Butylbenzene | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| ter-Butylbenzene | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| Chlorobenzene | 70 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Ethylbenzene | 300 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Isopropylbenzene | | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | | <20 |
| p-Isopropyltoluene | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | | <50 |
| Naphthalene | | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | | <20 |
| n-Propylbenzene | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| Toluene | 150 | <10 | <10 | 1.3 | 1.5 | <1 | 1.9 | <10 | 1.4 | <10 | <10 | <10 | <10 | <10 | 1.6 | <10 | <10 | <10 | <10 | 2.3 | <10 |
| Xylenes, total | 1750 | <20 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <1 | <20 |
| Total Aromatic Hydrocarbons | | | | 1.3 | 1.5 | | 1.9 | | 1.4 | | | | | | 1.6 | | | | | 2.3 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Bromomethane | 80 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <1 | <100 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Chloroethane | | <300 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <0.5 | <300 | <300 | <300 | <300 | <0.5 | <300 |
| Chloroform | 80 | <30 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloromethane | | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <0.5 | <100 |
| 1,1-Dichloroethane | 5 | 462 | 256 | 430 | 311 | 206 | 686 | 418 | 430 | 356 | 331 | 386 | 388 | 339 | 400 | 300 | 520 | 533 | 491 | 340 | 331 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | 4.2 | 3.4 | 3.2 | 6.2 | <20 | 3.8 | <20 | <20 | <20 | <20 | <20 | 3.8 | <20 | <20 | <20 | <20 | 5.4 | <20 |
| 1,1-Dichloroethene | 6 | 47.6 | 88.6 | 96 | 98.4 | 63 | 145 | 102 | 127 | 94.8 | 102 | 104 | 93.1 | 96.6 | 100 | 86.7 | 103 | 109 | 81.4 | 84 | 69.1 |
| cis-1,2-Dichloroethene | 6 | 10.8 | 23.9 | 86 | 113 | 72.7 | 242 | 197 | 139 | 192 | 164 | 223 | 189 | 202 | 120 | 187 | 182 | 195 | 194 | 140 | 122 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | 1.7 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <25 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Methylene Chloride | 5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Tetrachloroethene | 5 | 25.4 | 16.2 | 6.3 | 4.6 | 9.4 | 5.4 | <10 | 7.5 | <10 | <10 | <10 | <10 | <10 | 5.5 | <10 | <10 | <10 | <10 | 2.2 | <10 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | 1.2 | <1 | <1 | 1.2 | <10 | 1.4 | <10 | <10 | <10 | <10 | <10 | 1.5 | <10 | <10 | <10 | <10 | 0.65 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Trichloroethene | 5 | 79.4 | 146 | 100 | 93.6 | 70.3 | 66 | 54.1 | 98.7 | 45.5 | 70.3 | 55.3 | 39.7 | 37.6 | 80 | 25.6 | 47.9 | 49.3 | 42.1 | 46 | 46.7 |
| Freon-113 | 1200 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| Freon-123A | | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 |
| Vinyl Chloride | 0.5 | 60.7 | 35.4 | 88 | 94.2 | 82.5 | 148 | 79.9 | 93.2 | 59.1 | 52.4 | 64.1 | 64.8 | 56.2 | 71 | 48.2 | 99 | 117 | 87.3 | 92 | 62.6 |
| Total Halogenated Hydrocarbons | | 686 | 566 | 813 | 718 | 507 | 1,300 | 851 | 901 | 747 | 720 | 832 | 775 | 731 | 782 | 648 | 952 | 1,003 | 896 | 710 | 631 |
| Total Concentration of VOCs | | 686 | 566 | 1,145≈ | 720 | 507 | 1,302 | 851 | 902 | 747 | 720 | 832 | 775 | 731 | 1,043≈ | 648 | 952 | 1,003 | 896 | 1,168≈ | 631 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1B (Cont'd) Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | | | | | | | | | | | | | | | | |
| Naphthalene | | <20 | <20 | <20 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <10 | 1.4 | <10 | <1 | <10 | <1 | <1 | <1 | 1.2 | 1.3 | <1 | <10 | 1.0 | <1 | 1.1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 1.4 | | | | | | | 1.2 | 1.3 | | | 1 | | 1.1 | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <100 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <300 | <300 | <300 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <100 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 301 | 212 | 439 | 274 | 187 | 353 | 513 | 369 | 187 | 235 | 229 | 263 | 298 | 178 | 251 | 187 | 210 | 159 | 129 | 124 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <2 | <20 | 4.3 | <20 | <2 | 2.6 | 2.5 | 2.2 | 2.3 | 2.4 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 89 | 55.5 | 73.3 | 71.6 | 55.3 | 55.5 | 86.6 | 55.9 | 55.9 | 53.2 | 53.3 | 52.8 | 53 | 59.5 | 48.6 | 47.8 | 50.1 | 32.3 | 24.5 | 27.2 |
| cis-1,2-Dichloroethene | 6 | 111 | 91.7 | 109 | 116 | 76.3 | 63.1 | 71.2 | 49.6 | 50.2 | 41.3 | 45.6 | 71.3 | 53.3 | 43.2 | 50.5 | 48.7 | 44.5 | 38.9 | 21 | 36.9 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | <10 | 6.6 | <10 | 11.7 | <10 | 10.4 | 12.4 | 12.9 | 5.4 | 11.3 | 15.1 | <10 | 13.6 | 19.1 | 9.0 | 8.6 | 7.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 58 | 28.6 | 48.1 | 44 | 47.2 | 58.8 | 86.6 | 51.8 | 61.5 | 81 | 75.3 | 61.2 | 80.3 | 77.7 | 72.2 | 74.7 | 89.6 | 58.4 | 54.3 | 48.2 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <10 | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 44 | 32.4 | 81.5 | 38.8 | 12.5 | 57.2 | 59.8 | 39.3 | 7.2 | 19.5 | 15.6 | 25.2 | 21.1 | 16 | <10 | 18.1 | 16.2 | 19.2 | 15.5 | 9.6 |
| Total Halogenated Hydrocarbons | | 603 | 420 | 751 | 544 | 385 | 588 | 833 | 566 | 372 | 445 | 434 | 481 | 519 | 392 | 422 | 390 | 430 | 317 | 253 | 253 |
| Total Concentration of VOCs | | 603 | 420 | 751 | 544 | 386 | 588 | 833 | 566 | 372 | 445 | 434 | 482 | 521 | 392 | 422 | 391 | 430 | 318 | 253 | 253 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Toluene | 150 | <1 | <1 | <1 | 1.5 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | 1.5 | 1.1 | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 131 | 108 | 318 | 220 | 101 | 119 | 189 | 128 | 79.2 | 109 | 696 | 138 | 50 | 48 | 87.9 | 135 | 95.4 | 97.9 | 196 | 204 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | 2.8 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 4.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 30.8 | 26.2 | 57.9 | 36.9 | 31.9 | 33.9 | 31.4 | 33.5 | 22.3 | 23.9 | 90.8 | 33.8 | 17.6 | 16.5 | 19.4 | 23.1 | 14.9 | 16.9 | 26.7 | 28.7 |
| cis-1,2-Dichloroethene | 6 | 42 | 38.8 | 55 | 67.1 | 37.9 | 30.8 | 38.3 | 25.9 | 27.9 | 45 | 34.9 | 62.2 | 21.8 | 21.7 | 27.8 | 29.6 | 23.9 | 30.4 | 53.8 | 49.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 6.9 | 8.1 | 19.7 | 8.4 | 12.3 | 16.7 | 12.2 | 17.3 | 11 | 8.5 | 52.8 | 11.3 | 10.2 | 6.3 | 9.9 | 7.1 | 5.6 | <10 | <10 | 5.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Trichloroethene | 5 | 48.2 | 44.5 | 85.2 | 54 | 55.9 | 60.2 | 58.3 | 60.2 | 45.5 | 41.2 | 134 | 45.9 | 39.7 | 31.1 | 38.4 | 37.7 | 26.6 | 35.8 | 46.8 | 36.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 9.5 | 6.5 | 42.8 | 30.4 | 7.7 | 8.0 | 17.7 | 4.9 | 2.1 | 9.6 | <1 | 4.4 | 1.7 | 2.3 | 4.8 | 14.6 | 9.0 | <10 | 39.1 | 32 |
| Total Halogenated Hydrocarbons | | 268 | 232 | 581 | 417 | 247 | 269 | 347 | 270 | 188 | 237 | 1,017 | 296 | 141 | 126 | 188 | 247 | 175 | 181 | 362 | 356 |
| Total Concentration of VOCs | | 268 | 232 | 581 | 418 | 248 | 269 | 347 | 270 | 188 | 237 | 1,017 | 296 | 141 | 126 | 188 | 247 | 175 | 181 | 362 | 356 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-1B (Cont'd) | | | | SB64-02-1C | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Dec-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | <50 | <50 | <50 | <50 | <0.5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Toluene | 150 | 1.1 | 1.2 | <1 | 1.2 | <10 | <10 | <10 | <10 | 1.2 | 1.2 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <1 | <1 | <2 | <2 | <20 | <20 | <20 | <20 | <5 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | 1.1 | 1.2 | | 1.2 | | | | | 1.2 | 1.2 | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <300 | <300 | <300 | <300 | 0.68 | <30 | <30 | <30 | <300 | <300 | <300 | <300 | <2.5 | <300 | <300 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | 0.7 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <2.5 | <30 | <30 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <2.5 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 144 | 156 | 50.4 | 261 | 682.2 | 1010.3 | 917 | 495 | 420 | 698 | 829 | 900 | 985 | 1150 | 1050 | 379 | 690 | 708 | 887 | 731 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <10 | <20 | <20 | <20 | 3.8 | 4.6 | 5.4 | 9.1 | <20 | <20 | <20 | <20 | 5.8 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 23.3 | 24.7 | 11 | 28.5 | 51.8 | 112.5 | 111 | 93.1 | 92 | 127 | 75.5 | 197 | 128 | 161 | 172 | 53.8 | 120 | 104 | 108 | 109 |
| cis-1,2-Dichloroethene | 6 | 57.6 | 53.5 | 22.5 | 55.5 | <10 | <10 | <10 | <10 | 2.5 | 16.7 | 49.5 | 96.4 | 88.7 | 94.5 | 86.2 | 30 | 74 | 71.9 | 68.5 | 73 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | 19.1 | 26.4 | 26.7 | 18.7 | <1 | 1.7 | <1 | <1 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2.5 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 3.0 | 3.0 | 7.2 | 3.1 | <10 | <10 | <10 | <10 | 4.4 | 5.4 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | 0.69 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Trichloroethene | 5 | 33.5 | 31.5 | 25.2 | 32.4 | 21.4 | 42.9 | 39.3 | 36 | 37 | 44.8 | 8.1 | 16.7 | <10 | 15.8 | 37.3 | <10 | 26 | 32.1 | 18.1 | 29.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <10 |
| Freon-123A | | | | | | <10 | <10 | <10 | <10 | | <1 | <1 | <1 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 21.9 | 22.1 | 5.4 | 27.8 | 11.8 | 38.9 | 44.1 | 27.9 | 20 | 26.4 | 13.1 | 40.8 | 47.8 | 66.6 | 54.1 | 24 | 59 | 55.9 | 43.8 | 53.2 |
| Total Halogenated Hydrocarbons | | 283 | 291 | 122 | 408 | 786 | 1,231 | 1,138 | 671 | 582 | 925 | 981 | 1,260 | 1,250 | 1,488 | 1,400 | 487 | 975 | 972 | 1,125 | 995 |
| Total Concentration of VOCs | | 284 | 292 | 122 | 410 | 786 | 1,231 | 1,138 | 671 | 583 | 926 | 981 | 1,260 | 1,250 | 1,488 | 1,400 | 487 | 1,785≈ | 972 | 1,125 | 995 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1C (Cont'd) Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| n-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| sec-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| ter-Butylbenzene | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Chlorobenzene | 70 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Isopropylbenzene | | <20 | <2 | <20 | <20 | <20 | <100 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <2 | <20 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <50 | <50 | <50 | <250 | <50 | | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | | |
| Naphthalene | | <20 | <2 | <20 | <20 | <20 | <100 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <2 | <20 |
| n-Propylbenzene | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Toluene | 150 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | 0.76 | <10 | <10 | <10 | <10 | 1.5 | <10 | <10 | <10 | <10 | <10 | 1 | <10 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <20 | <20 | <100 | <20 | <1 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <20 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | 0.76 | | | | | 1.5 | | | | | | 1 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Bromomethane | 80 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <100 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Chloroethane | | <300 | <30 | <300 | <300 | <300 | <1500 | <300 | <0.5 | <300 | <300 | <300 | <300 | 2.7 | <300 | <300 | <300 | <300 | <300 | <30 | <300 |
| Chloroform | 80 | <30 | <3 | <30 | <30 | <30 | <150 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <3 | <30 |
| Chloromethane | | <100 | <10 | <100 | <100 | <100 | <500 | <100 | 1.7 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <10 | <100 |
| 1,1-Dichloroethane | 5 | 755 | 945 | 809 | 862 | 943 | 910 | 894 | 820 | 847 | 925 | 943 | 952 | 780 | 880 | 909 | 900 | 968 | 890 | 873 | 931 |
| 1,2-Dichloroethane | 0.5 | <20 | 5.3 | <20 | <20 | <20 | <100 | <20 | 5.9 | <20 | <20 | <20 | <20 | 7.2 | <20 | <20 | <20 | <20 | <20 | 4.9 | <20 |
| 1,1-Dichloroethene | 6 | 102 | 132 | 106 | 114 | 124 | 105 | 112 | 100 | 102 | 115 | 110 | 109 | 110 | 95 | 108 | 97 | 107 | 93.7 | 92.2 | 88.9 |
| cis-1,2-Dichloroethene | 6 | 78.2 | 89.6 | 77.5 | 102 | 112 | 80 | 96.9 | 77 | 83.3 | 92.8 | 101 | 105 | 120 | 93.9 | 91.7 | 76.3 | 113 | 115 | 82.4 | 76.3 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <25 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <20 | <20 | <20 | <100 | <20 | <0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Tetrachloroethene | 5 | <10 | 1.2 | <10 | <10 | <10 | <50 | <10 | 1.6 | <10 | <10 | <10 | <10 | 2.4 | <10 | <10 | <10 | <10 | <10 | 2.5 | <10 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Trichloroethene | 5 | 27.4 | 16.8 | 25.2 | 28.9 | 27.4 | <50 | 19 | 15 | 17.1 | 14.6 | 15.8 | 15.3 | 18 | 17.4 | 15.1 | 12.6 | 16 | 22.3 | 12.2 | 13.7 |
| Freon-113 | 1200 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Freon-123A | | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | | |
| Vinyl Chloride | 0.5 | 40.9 | 49.4 | 41.8 | 46.1 | 45.8 | <50 | 35.8 | 33 | 33 | 36.2 | 44 | 41.2 | 52 | 33.3 | 38 | 36.7 | 45.3 | 42.8 | 33.7 | 30.3 |
| Total Halogenated Hydrocarbons | | 1,004 | 1,239 | 1,060 | 1,153 | 1,252 | 1,095 | 1,158 | 1,054 | 1,082 | 1,184 | 1,214 | 1,223 | 1,092 | 1,120 | 1,162 | 1,123 | 1,249 | 1,164 | 1,101 | 1,140 |
| Total Concentration of VOCs | | 1,004 | 1,239 | 1,060 | 1,153 | 1,252 | 1,095 | 1,158 | 1,825≈ | 1,082 | 1,184 | 1,214 | 1,223 | 2,194≈ | 1,120 | 1,162 | 1,123 | 1,249 | 1,164 | 1,102 | 1,140 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1C (Cont'd) May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | 1.1 | <10 | 1.3 | <10 | 1.4 | 1.2 | <10 | <10 | 1.2 | 1.2 | <10 | <1 | <10 | 1.1 | 1.0 | 1.1 | 1.2 |
| Xylenes, total | 1750 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 1.1 | | 1.3 | | 1.4 | 1.2 | | | 1.2 | 1.2 | | | | 1.1 | 1.0 | 1.1 | 1.2 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <100 | <100 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <300 | <30 | <300 | <30 | <300 | <30 | <30 | <300 | <300 | <30 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <30 | <3 | <30 | <3 | <30 | <3 | <3 | <30 | <30 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <100 | <100 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 920 | 985 | 700 | 762 | 803 | 755 | 851 | 737 | 866 | 739 | 813 | 723 | 839 | 823 | 800 | 721 | 859 | 696 | 781 |
| 1,2-Dichloroethane | 0.5 | 4.7 | <20 | 3.8 | <20 | 4.0 | <20 | 4.1 | 6.4 | <20 | <20 | 3.8 | 3.5 | <20 | 3.8 | <20 | 3.9 | 4.5 | 3.4 | 4.2 |
| 1,1-Dichloroethene | 6 | 81.2 | 79.4 | 72.6 | 60.7 | 74.3 | 56.5 | 73.7 | 100 | 66 | 56 | 73.1 | 55.5 | 60.5 | 58.7 | 54.8 | 50.1 | 66.4 | 43.6 | 55.9 |
| cis-1,2-Dichloroethene | 6 | 80.1 | 78.6 | 60 | 70.8 | 64.8 | 45.8 | 64.8 | 87.5 | 49.9 | 37.8 | 53.6 | 32.1 | 31.7 | 31.9 | 29.8 | 29.7 | 38.2 | 28.4 | 29 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 1.3 | <10 | 1.4 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.0 | <10 | 2.8 | <10 | 2.9 | <10 | 4.4 | 2.6 | <10 | 15 | 3.0 | 3.5 | <10 | 3.6 | <10 | 4.5 | 2.1 | 3.7 | 4.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 22.6 | 13.6 | 15.2 | 20.6 | 17.3 | 14 | 23.4 | 17.8 | <10 | <10 | 20 | 14.2 | 12.5 | 14.8 | 14.2 | 19.1 | 12 | 14.4 | 15.3 |
| Freon-113 | 1200 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 26.2 | 26 | 17.1 | 22.3 | 24.1 | 19.1 | 26.9 | 38.9 | 38.8 | 39.9 | 40.7 | 38.2 | 37.8 | 38.7 | 39.9 | 40.4 | 47.7 | 47.1 | 46.3 |
| Total Halogenated Hydrocarbons | | 1,140 | 1,183 | 873 | 936 | 990 | 890 | 1,048 | 990 | 1,021 | 888 | 1,007 | 870 | 982 | 975 | 939 | 869 | 1,030 | 837 | 936 |
| Total Concentration of VOCs | | 1,140 | 1,183 | 874 | 936 | 992 | 890 | 1,050 | 991 | 1,021 | 888 | 1,008 | 871 | 982 | 975 | 939 | 870 | 1,031 | 838 | 937 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1C (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Toluene | 150 | 1.1 | <1 | <1 | 1.0 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | 1.1 | | | 1.0 | 1.2 | 1.1 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <30 | <30 | <30 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 | <3 | <3 | <3 | <30 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 807 | 729 | 700 | 691 | 669 | 779 | 627 | 540 | 544 | 579 | 602 | 586 | 778 | 617 | 768 | 678 | 786 | 536 | 688 |
| 1,2-Dichloroethane | 0.5 | 3.5 | 3.5 | 3.7 | 3.3 | 3.0 | 3.0 | 3.4 | 3.0 | 2.6 | 3.0 | 2.9 | <2 | <20 | <20 | 3.6 | 3.1 | 3.2 | <20 | 2.9 |
| 1,1-Dichloroethene | 6 | 48 | 42.9 | 55.3 | 37.3 | 34.1 | 45.4 | 37.3 | 27.6 | 33.1 | 31 | 32.3 | 29.9 | 31.7 | 37 | 42.2 | 33.1 | 37.1 | 24.8 | 35.3 |
| cis-1,2-Dichloroethene | 6 | 25.4 | 26.9 | 27.9 | 25.6 | 25.2 | 29.7 | 26.3 | 19.6 | 20.8 | 16.7 | 16.2 | 14.4 | 19.3 | 16 | 23.3 | 13.4 | 23 | <10 | 14.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.0 | 1.2 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 2.5 | 2.5 | 1.5 | 2.5 | 3.2 | 3.0 | 3.1 | 3.1 | 2.3 | 2.7 | 2.4 | <1 | <10 | <10 | 2.4 | 2.4 | 1.9 | <10 | 2.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Trichloroethene | 5 | 8.8 | 10.2 | 9.1 | 11.3 | 13.4 | 9.3 | 9.5 | 9.8 | 10.3 | 10.2 | 8.1 | 11.6 | <10 | <10 | 7.6 | 8.2 | 8.8 | <10 | 8.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 60.2 | 49 | 42.7 | 36.7 | 53.4 | 49.1 | 51.3 | 46.5 | 44.7 | 39.5 | 34.8 | 26.6 | 45.6 | 45.9 | 51.2 | 47.4 | 47.7 | 24.8 | 44.1 |
| Total Halogenated Hydrocarbons | | 955 | 864 | 840 | 808 | 801 | 919 | 758 | 650 | 659 | 683 | 700 | 669 | 875 | 716 | 898 | 786 | 908 | 586 | 795 |
| Total Concentration of VOCs | | 957 | 864 | 840 | 809 | 803 | 920 | 758 | 650 | 659 | 683 | 700 | 669 | 875 | 716 | 898 | 786 | 908 | 586 | 795 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1D | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Nov-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <10 | <10 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <50 | <5 | <25 | <25 |
| Naphthalene | | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <10 | <10 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Toluene | 150 | <10 | <10 | <10 | <10 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | 0.67 | | | | | | | | 0.6 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Bromomethane | 80 | <100 | <100 | <100 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <10 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Chloroethane | | <300 | <300 | <300 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <30 | <150 | <150 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | 0.73 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <3 | <15 | <15 |
| Chloromethane | | <100 | <100 | <100 | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <10 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 352.4 | 422.4 | 233 | 442 | 270 | 292 | 271 | 241 | 339 | 139 | 112 | 139 | 150 | 120 | 137 | 163 | 145 | 149 | 156 | 142 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | 3.2 | 2.6 | <2 | 3.5 | <2 | <2 | <2 | <2 | 1.4 | <2 | <2 | <2 | <20 | <2 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 26.5 | 39.9 | 37.2 | 40.7 | 53 | 42.5 | 23.3 | 53.1 | 24.8 | 14.6 | 13.3 | 15.8 | 30 | 34.1 | 18.6 | 45.2 | 29.7 | 27.8 | 37.4 | 31.1 |
| cis-1,2-Dichloroethene | 6 | <10 | <10 | <10 | <10 | 2.2 | 2.1 | 3.7 | 30 | 17.8 | 14.7 | 8.6 | 8.6 | 11 | 16 | 9.1 | 17.7 | 12.8 | 14.3 | 18.1 | 22.5 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Methylene Chloride | 5 | <10 | <10 | <10 | 10.3 | 3.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | <10 | 1.4 | 1.9 | 1.1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 1.1 | 1.3 | 2.5 | <10 | 1.5 | <5 | <5 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | 0.76 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Trichloroethene | 5 | <10 | 10.8 | 11.6 | 16.3 | 19 | 13.1 | 11.7 | 9.9 | 4.4 | 3.8 | 3.8 | 4.4 | 17 | 12 | 9.5 | 24.4 | 17.4 | 12.6 | 21.9 | 17.3 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Freon-123A | | <10 | <10 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 |
| Vinyl Chloride | 0.5 | 15.2 | 15.4 | 19.4 | 13.3 | 15 | 18.8 | 13.9 | 25.2 | 15.5 | 16.9 | 12.6 | 18.7 | 34 | 35 | 21.5 | 43.1 | 22.6 | 25.4 | 27.3 | 24 |
| Total Halogenated Hydrocarbons | | 394 | 489 | 301 | 523 | 368 | 373 | 325 | 363 | 402 | 189 | 150 | 187 | 245 | 218 | 197 | 296 | 228 | 231 | 261 | 237 |
| Total Concentration of VOCs | | 394 | 489 | 301 | 523 | 369 | 373 | 325 | 363 | 402 | 189 | 150 | 187 | 386≈ | 218 | 197 | 296 | 228 | 231 | 261 | 237 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1D(Cont'd) Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <2 | <10 | | <10 | <2 | <2 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | <25 | | <25 | <5 | <5 | <50 | | <50 | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <10 | <2 | <10 | | <10 | <2 | <2 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <5 | 0.62 | <5 | <1 | 2 | <10 | 0.74 | <10 | <1 | 1.2 | <1 | 1.6 | 1.0 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <2 | <10 | <1 | <10 | <2 | <2 | <20 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | 0.62 | | | 2 | | 0.74 | | | 1.2 | | 1.6 | 1 | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <10 | <50 | <1 | <50 | <10 | <10 | <100 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <150 | <30 | <150 | <0.5 | <150 | <30 | <30 | <300 | 1.2 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <3 | <15 | <0.5 | <15 | <3 | <3 | <30 | <0.5 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <50 | <10 | <50 | <0.5 | <50 | <10 | <10 | <100 | <0.5 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 144 | 138 | 133 | 120 | 139 | 132 | 242 | 162 | 140 | 123 | 113 | 142 | 116 | 205 | 119 | 85.2 | 92.8 | 93.1 | 83.1 | 95.7 |
| 1,2-Dichloroethane | 0.5 | <10 | <2 | <10 | 0.99 | <10 | <2 | 3.3 | <20 | 2.1 | <20 | <2 | <2 | <2 | 2.1 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 28.4 | 25.4 | 29.3 | 26 | 28.7 | 25.2 | 88.8 | 30.9 | 31 | 24 | 23.6 | 32.7 | 23.7 | 40.9 | 23.8 | 17.3 | 20.8 | 18 | 18.9 | 17.3 |
| cis-1,2-Dichloroethene | 6 | 23.4 | 26.3 | 25.1 | 21 | 31.6 | 25.7 | 83.4 | 37.8 | 58 | 28.6 | 26.5 | 36.3 | 28.4 | 77.6 | 34 | 19.2 | 22.2 | 19.6 | 18.7 | 20.9 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <10 | <0.5 | <10 | <2 | <2 | <20 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | 2.1 | <5 | 2.3 | <5 | 1.3 | 5.3 | <10 | 0.58 | <10 | 2.4 | 1.7 | 3.0 | 3.0 | 2.2 | 1.5 | 2.4 | 1.5 | 2.6 | 2.4 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 13.9 | 12.4 | 13.4 | 13 | 14.1 | 11.2 | 53.5 | 18.9 | 10 | 10.6 | 11.9 | 16.6 | 16.3 | 22.2 | 12.6 | 8.3 | 10.6 | 8.9 | 11.6 | 16.5 |
| Freon-113 | 1200 | <5 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | | | | | | |
| Vinyl Chloride | 0.5 | 23.2 | 19.5 | 18.2 | 16 | 18.2 | 17.5 | 55 | 26.6 | 33 | 17.3 | 16 | 20.1 | 17.9 | 33.1 | 13 | 11.6 | 12.2 | 12.5 | 8.3 | 9.5 |
| Total Halogenated Hydrocarbons | | 233 | 224 | 219 | 199 | 232 | 213 | 531 | 276 | 276 | 204 | 193 | 249 | 205 | 384 | 205 | 143 | 161 | 154 | 143 | 162 |
| Total Concentration of VOCs | | 233 | 224 | 219 | 200 | 232 | 213 | 533 | 276 | 387≈ | 204 | 193 | 251 | 205 | 386 | 206 | 143 | 161 | 154 | 143 | 162 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1D (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | 1.1 | 1.1 | <1 | 1.0 | <1 | 1.0 | <1 | <1 | 1.0 | <1 | <1 | 1.1 | 1.0 | 1.0 | <1 | 1.0 | <1 | 2.1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 1.1 | 1.1 | | 1 | | 1 | | | 1 | | | 1.1 | 1 | 1 | | 1.0 | | 2.1 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 100 | 57.4 | 96.8 | 104 | 61.8 | 74 | 48.9 | 57.6 | 38.6 | 46.4 | 52.1 | 40.6 | 38.3 | 57.3 | 45.3 | 37.6 | 39.9 | 59.2 | 38.1 | 47 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 20.3 | 11.1 | 19 | 22.9 | 12.5 | 15.2 | 10.4 | 11.9 | 8.2 | 9.3 | 9.6 | 8.5 | 8.4 | 12 | 9.8 | 8.1 | 8.9 | 14.5 | 8.5 | 7.1 |
| cis-1,2-Dichloroethene | 6 | 21.4 | 11.3 | 23.2 | 29.2 | 15.3 | 20.3 | 10.1 | 11.8 | 8.2 | 10.5 | 11.3 | 10 | 9.2 | 16.1 | 15.2 | 8.0 | 10.7 | 16.4 | 10 | 22 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.3 | 1.6 | 4.4 | 3.3 | 2.4 | 3.2 | 3.2 | 3.8 | 2.3 | 4.0 | 2.2 | 1.5 | 1.9 | 3.5 | 3.3 | 2.5 | 2.3 | 1.5 | 2.4 | 2.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17.9 | 10.7 | 20.7 | 11.7 | 9.8 | 17.6 | 13.1 | 15.5 | 8.7 | 12.9 | 10.8 | 9.6 | 8.5 | 16.3 | 11.9 | 8.5 | 8.3 | 8.9 | 9.2 | 9.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 9.0 | 6.1 | 7.8 | 11.6 | 5.8 | 6.3 | 5.5 | 6.0 | 4.5 | 4.5 | 4.5 | 3.1 | 4.0 | 5.6 | 4.3 | 4.4 | 3.5 | 3.2 | 2.4 | 3.9 |
| Total Halogenated Hydrocarbons | | 172 | 98 | 172 | 183 | 108 | 137 | 91 | 107 | 71 | 88 | 91 | 73 | 70 | 111 | 90 | 69 | 74 | 104 | 71 | 92 |
| Total Concentration of VOCs | | 172 | 98 | 173 | 184 | 108 | 138 | 91 | 108 | 71 | 88 | 92 | 73 | 70 | 112 | 91 | 70 | 74 | 105 | 71 | 94 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1D (Cont'd) | | | | | | | | | | | | | | SB64-02-1E | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Nov-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.6 | 2.0 | 2.4 | 2.3 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 1.0 | | | 1.1 | | | | 1.6 | 2.0 | 2.4 | 2.3 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.54 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 44.6 | 47.1 | 47.5 | 27.2 | 40.6 | 24.7 | 29.7 | 36 | 26.2 | 47.5 | 30.9 | 28 | 52 | 23 | 77.3 | 160.4 | 141 | 122 | 100 | 135 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.2 | <2 |
| 1,1-Dichloroethene | 6 | 8.7 | 9.1 | 8.1 | 6.0 | 6.8 | 4.0 | 5.6 | 6.1 | 5.1 | 6.4 | 4.1 | 5.5 | 8.3 | 4.0 | 5.3 | 21.9 | 26.1 | 17.7 | 14 | 17.2 |
| cis-1,2-Dichloroethene | 6 | 9.5 | 11 | 12.2 | 5.2 | 8.3 | 4.3 | 5.7 | 5.3 | 6.6 | 10 | 5.8 | 4.5 | 10.7 | 4.7 | <1 | 1.1 | 1.5 | <1 | 0.88 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.2 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | 2.3 | 3.0 | 2.9 | 2.6 | 2.2 | 1.9 | 1.8 | 1.3 | 1.9 | 1.6 | 2.1 | 1.7 | 1.5 | <1 | 1.4 | <1 | <1 | 0.61 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 6.1 | 7.3 | 8.9 | 8.6 | 9.4 | 7.8 | 8.9 | 7.0 | 5.2 | 8.7 | 7.3 | 7.1 | 8.9 | 6.8 | 2.5 | 7.2 | 9.5 | 8.4 | 5.8 | 7.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 3.6 | 3.3 | 3.4 | 2.6 | 2.3 | 1.8 | 2.1 | 4.7 | 4.1 | 4.5 | 2.2 | 2.8 | 6.4 | 1.9 | 3.9 | 10.7 | 13.2 | 8.8 | 7.0 | 11.2 |
| Total Halogenated Hydrocarbons | | 73 | 80 | 83 | 53 | 70 | 45 | 54 | 61 | 49 | 79 | 52 | 50 | 88 | 42 | 90 | 204 | 191 | 157 | 130 | 171 |
| Total Concentration of VOCs | | 73 | 80 | 83 | 53 | 70 | 45 | 54 | 61 | 49 | 80 | 52 | 50 | 89 | 42 | 90 | 204 | 193 | 159 | 132 | 173 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1E (Cont'd) Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <25 | | <25 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| Toluene | 150 | 1.8 | 1.4 | <1 | 1.9 | <1 | <1 | 1.5 | 1.4 | 1.2 | 1.3 | <10 | <1 | 1.0 | 1.1 | 1.5 | 1.6 | <5 | 1.4 | <5 | 1.2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <10 | <2 |
| Total Aromatic Hydrocarbons | | 1.8 | 1.4 | | 1.9 | | | 1.5 | 1.4 | 1.2 | 1.3 | | | 1 | 1.1 | 1.5 | 1.6 | | 1.4 | | 1.2 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <50 | <1 | <50 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <150 | <0.5 | <150 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <15 | <0.5 | <15 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <0.5 | <50 | <10 |
| 1,1-Dichloroethane | 5 | 106 | 145 | 45.8 | 103 | 42 | 15.2 | 90 | 63.1 | 67.8 | 124 | 82.4 | 60 | 111 | 72.6 | 102 | 66.2 | 80.7 | 86 | 94.9 | 64.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | 0.97 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | 0.99 | <10 | <2 |
| 1,1-Dichloroethene | 6 | 10 | 15.6 | 7.3 | 7.7 | 4.3 | 2.9 | 27 | 10.1 | 10.8 | 41.2 | 24.1 | 64.5 | 36.8 | 21.8 | 29.9 | 18.6 | 22.2 | 27 | 22.9 | 15.9 |
| cis-1,2-Dichloroethene | 6 | 1.0 | 3.6 | 2.9 | 5.6 | 1.8 | <1 | 6.7 | 4.1 | 4.5 | 12.9 | <10 | 13.1 | 11.4 | 10.2 | 15.2 | 12.9 | 16.7 | 22 | 22.3 | 14.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <0.5 | <10 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | 1.5 | 3.4 | <10 | 10.6 | 6.1 | 3.5 | 4.1 | 3.3 | <5 | 3.8 | <5 | 1.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | 1.4 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Trichloroethene | 5 | 5.3 | 4.5 | <1 | 3.2 | 2.1 | 2.0 | 16 | 6.2 | 9.4 | 25.2 | 20.1 | 49.6 | 30.4 | 19.6 | 23.9 | 17 | 19.1 | 22 | 20.3 | 13.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 |
| Vinyl Chloride | 0.5 | 8.5 | 10.8 | 2.8 | 15.7 | 6.4 | 6.1 | 27 | 16.2 | 12.6 | 33.5 | 14.3 | 29.7 | 19.2 | 13.1 | 17.3 | 11.5 | 12.7 | 14 | 12.3 | 10.4 |
| Total Halogenated Hydrocarbons | | 131 | 180 | 59 | 135 | 57 | 26 | 170 | 100 | 107 | 240 | 141 | 229 | 215 | 141 | 192 | 130 | 151 | 176 | 173 | 120 |
| Total Concentration of VOCs | | 133 | 181 | 59 | 137 | 57 | 26 | 171 | 101 | 108 | 242 | 141 | 229 | 216 | 142 | 194 | 131 | 151 | 177 | 173 | 121 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1E (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | | <50 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.2 | <10 | 1.1 | <10 | 1.9 | 1.9 | 2.0 | 2.3 | 2.0 | 1.9 | 1.4 | 2.1 | 1.9 | 1.9 | 1.9 | 1.9 | 2.4 | 2.6 | 2.1 | 2.6 |
| Xylenes, total | 1750 | <2 | <20 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.2 | | 1.1 | | 1.9 | 1.9 | 2 | 2.3 | 2 | 1.9 | 1.4 | 2.1 | 1.9 | 1.9 | 1.9 | 1.9 | 2.4 | 2.6 | 2.1 | 2.6 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <100 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <300 | <0.5 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <30 | <0.5 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <100 | <0.5 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 234 | 113 | 44 | 61.6 | 60.2 | 79.9 | 64.9 | 107 | 63.2 | 45.1 | 48.4 | 68.8 | 40.9 | 66.3 | 71.4 | 50.2 | 59.1 | 52.2 | 131 | 60.8 |
| 1,2-Dichloroethane | 0.5 | 2.7 | <20 | 0.55 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 81.1 | 25.6 | 18 | 16.6 | 17.7 | 25.4 | 18.7 | 29 | 16.9 | 10.8 | 14.7 | 15.5 | 11.2 | 15.2 | 17 | 11.1 | 13 | 11.9 | 26.2 | 13.9 |
| cis-1,2-Dichloroethene | 6 | 68.4 | 31.4 | 16 | 15.1 | 21.8 | 27.4 | 23.7 | 43.3 | 25.6 | 15.2 | 16.5 | 21.2 | 14.2 | 21.2 | 22.1 | 14.7 | 20.8 | 15.5 | 51 | 23.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.5 | <10 | 0.81 | <10 | 1.5 | 2.1 | 2.6 | 4.4 | 2.1 | 1.4 | 1.6 | <1 | 2.7 | 3.2 | 4.1 | 2.4 | 3.1 | 3.3 | 5.1 | 2.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 73.8 | 23.9 | 16 | 15.5 | 12.6 | 18.1 | 16.5 | 27.1 | 12.7 | 9.3 | 8.4 | 10.7 | 11.2 | 18.7 | 19.3 | 13.1 | 15.2 | 10.7 | 25.2 | 15.5 |
| Freon-113 | 1200 | <1 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <10 | | <10 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 45.8 | 17.6 | 13 | 11.2 | 11 | 13.1 | 11.3 | 15.3 | 9 | 7.8 | 9.6 | 10.3 | 5.5 | 8.3 | 7.5 | 5.6 | 5.9 | 7.2 | 6.2 | 6.8 |
| Total Halogenated Hydrocarbons | | 513 | 212 | 108 | 120 | 125 | 166 | 138 | 226 | 130 | 90 | 99 | 127 | 86 | 133 | 141 | 97 | 117 | 101 | 245 | 124 |
| Total Concentration of VOCs | | 516 | 212 | 109 | 120 | 127 | 168 | 140 | 228 | 132 | 92 | 101 | 129 | 88 | 135 | 143 | 99 | 120 | 103 | 247 | 126 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1E (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.3 | 2.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.6 | 1.9 | 1.9 | 2.1 | 1.6 | 2.1 | 2.4 | 2.6 | 2.6 | 2.3 | 1.8 | 1.6 | 1.3 | 1.4 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.3 | 2.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.6 | 1.9 | 1.9 | 2.1 | 1.6 | 2.1 | 2.4 | 2.6 | 2.6 | 2.3 | 1.8 | 1.6 | 1.3 | 1.4 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 24.5 | 38.9 | 27.1 | 29.1 | 25.1 | 20.4 | 27.6 | 56 | 41.5 | 39.2 | 40.4 | 61.8 | 56.3 | 79.5 | 34.2 | 37.5 | 46.3 | 22 | 25.9 | 18.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.8 | 9.3 | 6.1 | 6.3 | 5.1 | 4.3 | 6.6 | 12.6 | 9.4 | 8.2 | 9.4 | 19.9 | 11.1 | 8.6 | 5.9 | 7.2 | 7.9 | 4.4 | 4.8 | 3.0 |
| cis-1,2-Dichloroethene | 6 | 5.5 | 12.3 | 8.6 | 8.8 | 6.3 | 5.2 | 10.1 | 24.5 | 20.7 | 14.3 | 21.7 | 38.8 | 30 | 41.6 | 13 | 14 | 19.3 | 5.9 | 8.2 | 4.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | 2.9 | 1.4 | 2.6 | 2.0 | 2.4 | 2.3 | 4.5 | 3.0 | 2.1 | 2.5 | 1.8 | 3.2 | 1.5 | 1.7 | 2.7 | 3.0 | 2.0 | 2.0 | 1.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.5 | 12.9 | 7.2 | 10.3 | 7.1 | 8.3 | 7.6 | 20.2 | 12.2 | 8.6 | 10.1 | 13.2 | 13.2 | 9.1 | 6.6 | 8.4 | 10.1 | 6.7 | 6.6 | 5.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 4.0 | 4.8 | 3.8 | 3.2 | 3.5 | 3.1 | 3.9 | 4.9 | 4.3 | 4.5 | 3.6 | 3.2 | 7.6 | 7.5 | 2.6 | 3.5 | 3.3 | 2.8 | 2.4 | 1.7 |
| Total Halogenated Hydrocarbons | | 48 | 81 | 54 | 60 | 49 | 44 | 58 | 123 | 91 | 77 | 88 | 139 | 121 | 148 | 64 | 73 | 90 | 44 | 50 | 36 |
| Total Concentration of VOCs | | 50 | 84 | 56 | 62 | 51 | 45 | 60 | 125 | 93 | 79 | 89 | 141 | 124 | 150 | 67 | 76 | 92 | 45 | 51 | 37 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-1E (Cont'd) | | | | | | | | SB64-02-1F | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 | Jun-03 | Jul-03* | Nov-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <50 | <50 | <50 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.4 | 2.1 | <1 | 1.4 | 1.8 | 1.7 | 1.6 | 1.6 | <10 | <10 | <10 | 5.2 | 2.1 | 3.7 | <1 | <1 | <1 | <1 | 1.0 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.4 | 2.1 | | 1.4 | 1.8 | 1.7 | 1.6 | 1.6 | | | | 5.2 | 2.1 | 3.7 | | | | | 1 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <100 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <300 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 | <30 | <3 | 0.8 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <100 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 24.3 | 24.7 | 18.5 | 33.7 | 53 | 20.9 | 19.5 | 26.6 | 167.3 | 227.3 | 178 | 254 | 35 | 151 | 93.8 | 91.1 | 75 | 26.7 | 51.5 | 35.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | 2.2 | 1.4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.0 | 3.0 | 3.2 | 4.5 | 6.3 | 2.9 | 2.9 | 3.8 | 21.2 | 26.4 | 22.2 | 22.6 | 13 | 20.9 | 7.3 | 10.5 | 7.3 | 3.0 | 4.3 | 4.5 |
| cis-1,2-Dichloroethene | 6 | 7.5 | 5.5 | 6.8 | 9.5 | 19.7 | 4.8 | 5.4 | 8.1 | <10 | <10 | <10 | 2.0 | 0.86 | 1.2 | <1 | <1 | 2.3 | <1 | 1.7 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.4 | 1.5 | 1.3 | 2.1 | 1.8 | 1.3 | 1.3 | <1 | <10 | <10 | <10 | <1 | 0.53 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.9 | 5.1 | 4.3 | 7.7 | 9.1 | 4.0 | 4.6 | 4.5 | <10 | <10 | <10 | 9.4 | 4.6 | 6.8 | 3.8 | <1 | 3.1 | 1.6 | 2.7 | 2.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | <10 | <10 | <10 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 2.0 | 3.0 | 3.0 | 3.3 | 3.2 | 1.9 | 2.4 | 2.3 | 15.1 | 22.5 | 15 | 13.3 | 7.9 | 9.6 | 5.7 | 5.1 | 5.1 | 2.0 | 5.9 | 7.2 |
| Total Halogenated Hydrocarbons | | 45 | 43 | 37 | 61 | 93 | 36 | 36 | 45 | 204 | 276 | 215 | 304 | 64 | 190 | 113 | 107 | 93 | 33 | 66 | 51 |
| Total Concentration of VOCs | | 47 | 45 | 37 | 62 | 95 | 38 | 38 | 47 | 204 | 276 | 215 | 309 | 66 | 193 | 113 | 107 | 93 | 33 | 67 | 51 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1F (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | 1.2 | 3.1 | 1.5 | 1.8 | 3.6 | 3.4 | <5 | 3.5 | 3.7 | 3.6 | 3.4 | 2.1 | 2.8 | 3.5 | 3.5 | 2.9 | 4.4 | 3.7 | 3.3 | 3.5 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.2 | 3.1 | 1.5 | 1.8 | 3.6 | 3.4 | | 3.5 | 3.7 | 3.6 | 3.4 | 2.1 | 2.8 | 3.5 | 3.5 | 2.9 | 4.4 | 3.7 | 3.3 | 3.5 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <150 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | 0.88 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 150 | 76.4 | 65.9 | 200 | 92.9 | 89.8 | 149 | 103 | 133 | 95.1 | 135 | 110 | 123 | 231 | 112 | 191 | 120 | 145 | 124 | 107 |
| 1,2-Dichloroethane | 0.5 | 1.6 | <2 | <2 | 2.1 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | 2.9 | <2 | <2 | <2 | <2 | 1.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 46 | 10.3 | 11.5 | 63.9 | 15.4 | 17.2 | 35 | 19.6 | 26 | 19.1 | 27.8 | 59 | 32 | 30.1 | 30.7 | 35.1 | 24 | 26 | 20.8 | 17.8 |
| cis-1,2-Dichloroethene | 6 | 9.1 | 3.9 | 3.7 | 19.6 | 5.8 | 6.1 | 13.7 | 9.5 | 13.7 | 9.7 | 16.7 | 38 | 26.7 | 24.6 | 26.9 | 42.3 | 28 | 34.6 | 30 | 28.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.6 | 1.1 | 1.9 | 5.7 | 2.2 | 2.5 | <5 | 2.9 | 3.3 | 2.3 | 2.7 | 1.9 | 2.0 | 2.0 | 1.3 | 2.6 | 3.1 | 2.4 | 2.2 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 30 | 7.2 | 10.1 | 40.4 | 12.1 | 13.2 | 24 | 15.5 | 20.4 | 21.1 | 27 | 43 | 27.5 | 23.8 | 22 | 29 | 25 | 24 | 18.9 | 14.1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 44 | 17.2 | 10.4 | 51.3 | 14 | 14.3 | 25.2 | 16 | 20.1 | 12.2 | 16.4 | 33 | 21.6 | 21.7 | 25 | 24.3 | 18 | 18.4 | 15.4 | 14.8 |
| Total Halogenated Hydrocarbons | | 284 | 116 | 104 | 383 | 142 | 143 | 247 | 167 | 217 | 160 | 226 | 288 | 233 | 333 | 218 | 324 | 220 | 250 | 211 | 183 |
| Total Concentration of VOCs | | 396≈ | 119 | 105 | 385 | 146 | 147 | 247 | 170 | 220 | 163 | 229 | 290 | 236 | 337 | 221 | 327 | 225 | 254 | 215 | 187 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1F (Cont'd) Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 3.7 | 3.1 | 3.2 | 3.4 | 2.7 | 2.9 | 3.1 | 2.9 | 2.8 | 3.3 | 4.0 | 2.9 | 2.6 | 2.6 | 3.1 | 3.6 | 3.1 | 3.9 | 3.1 | 3.0 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 3.7 | 3.1 | 3.2 | 3.4 | 2.7 | 2.9 | 3.1 | 2.9 | 2.8 | 3.3 | 4 | 2.9 | 2.6 | 2.6 | 3.1 | 3.6 | 3.1 | 3.9 | 3.1 | 3.0 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 94.9 | 260 | 110 | 72.9 | 214 | 153 | 134 | 146 | 101 | 132 | 83 | 89.6 | 156 | 50.5 | 88.6 | 49.2 | 64.1 | 66.3 | 51.2 | 68.8 |
| 1,2-Dichloroethane | 0.5 | <2 | 3.1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 17 | 51.8 | 16 | 10.4 | 33.2 | 22.4 | 16.3 | 20.1 | 12.6 | 15.6 | 13 | 28.9 | 21.5 | 6.0 | 11 | 6.0 | 7.2 | 6.7 | 6.6 | 9.5 |
| cis-1,2-Dichloroethene | 6 | 27.3 | 92.2 | 35 | 23.9 | 75.8 | 53.4 | 45.1 | 49.4 | 36.4 | 45.2 | 28.5 | 86.1 | 72.8 | 14.6 | 32.4 | 16.7 | 22.7 | 23.7 | 19.2 | 32.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | 2.5 | 5.3 | 2.0 | <1 | 2.1 | 3.1 | 1.9 | 3.0 | 3.1 | 2.6 | 2.0 | 2.2 | 3.0 | 1.6 | 2.5 | 1.4 | 2.4 | 1.3 | 2.1 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17 | 50.9 | 15.1 | 8.1 | 21.9 | 17.8 | 13.1 | 16.2 | 13.1 | 15.4 | 9.3 | 15.1 | 19.9 | 7.5 | 12.2 | 7.3 | 10.6 | 6.4 | 10.8 | 9.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 12.8 | 28.6 | 11.5 | 10.4 | 22.7 | 14.6 | 12.9 | 13.6 | 8.4 | 9.8 | 10.4 | 16.3 | 15.3 | 5.3 | 7.6 | 5.7 | 5.5 | 6.8 | 4.5 | 6.6 |
| Total Halogenated Hydrocarbons | | 172 | 492 | 190 | 126 | 370 | 264 | 223 | 248 | 175 | 221 | 146 | 238 | 289 | 86 | 154 | 86 | 113 | 111 | 94 | 128 |
| Total Concentration of VOCs | | 175 | 495 | 193 | 129 | 372 | 267 | 226 | 251 | 177 | 224 | 150 | 241 | 291 | 88 | 157 | 90 | 116 | 115 | 98 | 131 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1F (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.8 | 3.2 | 3.9 | 2.6 | 2.6 | 2.4 | <1 | 3.3 | 2.9 | 2.6 | 2.6 | 2.6 | 2.3 | 2.9 | 3 | 1.9 | 2.5 | 2.3 | 2.3 | 2.9 | 1.8 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.8 | 3.2 | 3.9 | 2.6 | 2.6 | 2.4 | | 3.3 | 2.9 | 2.6 | 2.6 | 2.6 | 2.3 | 2.9 | 3 | 1.9 | 2.5 | 2.3 | 2.3 | 2.9 | 1.8 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 81.7 | 52.6 | 65.5 | 142 | 96.5 | 107 | 48.6 | 90 | 68.1 | 64.8 | 43.8 | 62.6 | 40.2 | 39.6 | 51.4 | 39.4 | 69.8 | 41.3 | 42.1 | 49.3 | 152 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | 2.4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 9.7 | 6.5 | 7.7 | 18.6 | 42.2 | 13.2 | 15.1 | 11.5 | 7.0 | 6.7 | 4.6 | 5.5 | 3.3 | 3.4 | 3.4 | 4.1 | 5.4 | 2.6 | 3.2 | 3.7 | 17.8 |
| cis-1,2-Dichloroethene | 6 | 39.6 | 24 | 28.4 | 86.3 | 50.8 | 59.4 | 38.5 | 47.6 | 32.2 | 32 | 16.4 | 24.8 | 13.8 | 14.1 | 15.1 | 17.7 | 28 | 11.8 | 12.8 | 18.6 | 101 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.0 | 2.9 | <1 | 2.5 | 2.4 | 2.3 | 5.1 | <1 | 1.4 | 1.7 | 1.3 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | 2.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.4 | 9.8 | 4.9 | 19.2 | 28.3 | 13.2 | 34.8 | 6.5 | 6.5 | 6.7 | 5.4 | 6.7 | 3.5 | 3.5 | 3.8 | 3.8 | 4.6 | 3.2 | 5.4 | 4.1 | 20.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 6.7 | 4.9 | 7.2 | 12.8 | 18.5 | 8.6 | <1 | 7.5 | 6.1 | 5.8 | 3.9 | 4.6 | 2.8 | 2.7 | 4.5 | 5.1 | 6.0 | 3.2 | 3.1 | 4.1 | 13.7 |
| Total Halogenated Hydrocarbons | | 150 | 101 | 114 | 281 | 241 | 204 | 142 | 163 | 121 | 118 | 75 | 106 | 64 | 63 | 78 | 70 | 114 | 62 | 68 | 80 | 307 |
| Total Concentration of VOCs | | 153 | 104 | 118 | 284 | 244 | 206 | 142 | 166 | 124 | 120 | 78 | 108 | 66 | 66 | 81 | 72 | 116 | 64 | 70 | 83 | 309 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2A Apr-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Feb-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| n-Butylbenzene | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| sec-Butylbenzene | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| ter-Butylbenzene | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| Chlorobenzene | 70 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Ethylbenzene | 300 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Isopropylbenzene | | <2 | <200 | <200 | <20 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | | <10 |
| p-Isopropyltoluene | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| Methyl tert-Butyl Ether | 13 | <5 | <500 | <500 | <50 | <5 | <50 | <50 | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <50 | <50 | <25 | | <25 |
| Naphthalene | | <2 | <200 | <200 | <20 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | | <10 |
| n-Propylbenzene | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| Toluene | 150 | 1.7 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Xylenes, total | 1750 | <2 | <200 | <200 | <20 | <2 | <20 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <1 | <10 |
| Total Aromatic Hydrocarbons | | 1.7 | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | 3.4 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Bromomethane | 80 | <10 | <1000 | <1000 | <100 | <10 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <1 | <50 |
| Carbon Tetrachloride | 0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Chloroethane | | <30 | <3000 | <3000 | <300 | <30 | <300 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <300 | <300 | <150 | <0.5 | <150 |
| Chloroform | 80 | <3 | <300 | <300 | <30 | <3 | <30 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <30 | <30 | <15 | <0.5 | <15 |
| Chloromethane | | <10 | <1000 | <1000 | <100 | <10 | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <0.5 | <50 |
| 1,1-Dichloroethane | 5 | 5730 | 3110 | 1130 | 435 | 166 | 211 | 238 | 400 | 412 | 338 | 375 | 300 | 293 | 270 | 270 | 288 | 280 | 262 | 160 | 238 |
| 1,2-Dichloroethane | 0.5 | 74.5 | <200 | <200 | <20 | 3.6 | <20 | <20 | 4.6 | 4.7 | 5.4 | 4.6 | <20 | 3.7 | <20 | <20 | <20 | <20 | <10 | 3.1 | <10 |
| 1,1-Dichloroethene | 6 | 237 | 330 | <100 | 72.2 | 61 | 47.3 | 37.9 | 54 | 65.9 | 61.6 | 57.3 | 35.5 | 51.2 | 38.7 | 41.6 | 38.4 | 37.5 | 33.2 | 25 | 30.8 |
| cis-1,2-Dichloroethene | 6 | 45.2 | <100 | <100 | 17.5 | 18.1 | 12.9 | <10 | 16 | 48.4 | 109 | 157 | 148 | 215 | 227 | 215 | 240 | 201 | 206 | 100 | 174 |
| trans-1,2-Dichloroethene | 10 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| 1,2-Dichloropropane | 5 | 1.2 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Methylene Chloride | 5 | 57.2 | <100 | <100 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <1 | <5 |
| 1,1,1,2-Tetrachloroethane | | <2 | <200 | <200 | <20 | <2 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <0.5 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | 1.2 | 1.3 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Tetrachloroethene | 5 | 29.9 | <100 | <100 | 34 | 47.9 | 30.2 | 32.9 | 32 | 28.2 | 15 | 6.0 | <10 | <1 | <0 | <10 | <10 | <10 | <5 | 1.4 | <5 |
| 1,1,1-Trichloroethane | 200 | 5.0 | <100 | <100 | <10 | <1 | <10 | <10 | 0.62 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| 1,1,2-Trichloroethane | 5 | 11.1 | <100 | <100 | <10 | <1 | <10 | <10 | 0.86 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Trichloroethene | 5 | 257 | 344 | 206 | 117 | 143 | 85.4 | 75.8 | 120 | 129 | 117 | 81.5 | 55.3 | 39.7 | 46.6 | 56.6 | 42.5 | 65 | 41.2 | 38 | 34.7 |
| Freon-113 | 1200 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <0.5 | <5 |
| Freon-123A | | <1 | | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | | <5 |
| Vinyl Chloride | 0.5 | 44.5 | <100 | <100 | <10 | <1 | <10 | <10 | 4.2 | 4.2 | 4.6 | 4.9 | <10 | 5.7 | <10 | <10 | <10 | 14.4 | 25 | 17 | 23.6 |
| Total Halogenated Hydrocarbons | | 6,496 | 3,784 | 1,336 | 676 | 440 | 387 | 385 | 632 | 694 | 652 | 686 | 539 | 608 | 582 | 583 | 609 | 598 | 567 | 345 | 501 |
| Total Concentration of VOCs | | 6,498 | 3,784 | 1,336 | 676 | 440 | 387 | 385 | 1,282≈ | 694 | 652 | 686 | 539 | 608 | 582 | 583 | 609 | 598 | 567 | 655≈ | 501 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2A (Cont'd) May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | | <50 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <20 | <20 | <20 | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <100 | <100 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <300 | <300 | <0.5 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <30 | <30 | <0.5 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <100 | <100 | <0.5 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 225 | 218 | 203 | 99 | 93 | 94.2 | 97.9 | 92.9 | 88.9 | 92 | 100 | 89.8 | 100 | 67.1 | 85 | 80.1 | 82 | 77 | 86.1 | 58.4 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | 1.7 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 28.1 | 31.5 | 24 | 16 | 13.4 | 18.9 | 18.5 | 21.6 | 19.6 | 17.8 | 21.2 | 22.1 | 20.5 | 15.6 | 18.6 | 19.9 | 18.3 | 18.3 | 20.3 | 17.8 |
| cis-1,2-Dichloroethene | 6 | 186 | 219 | 188 | 57 | 42.6 | 56.1 | 35.3 | 25.4 | 18.8 | 19.7 | 17.1 | 19.5 | 16.1 | 15 | 15.3 | 18 | 16.5 | 17.7 | 22.4 | 13.4 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | 1.2 | <10 | 5.8 | 5.4 | 11.1 | 10.3 | 10.7 | 12.3 | 10.8 | 11.1 | 12 | 12.9 | 12.8 | 14.1 | 14.5 | 12.4 | 12.8 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 32.4 | 34.4 | 24.3 | 26 | 36.9 | 33.9 | 42.2 | 52.8 | 56.8 | 53.7 | 62 | 54.8 | 53 | 46.5 | 51 | 48.3 | 51.6 | 49.1 | 50 | 49.2 |
| Freon-113 | 1200 | <10 | <10 | <10 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | | <10 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 23.1 | 25.3 | 33.8 | 17 | <10 | 3.5 | 4.7 | 1.7 | 2.1 | <1 | 1.7 | 1.5 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 495 | 528 | 473 | 218 | 186 | 212 | 204 | 206 | 197 | 194 | 214 | 199 | 201 | 157 | 183 | 179 | 183 | 177 | 191 | 152 |
| Total Concentration of VOCs | | 495 | 528 | 473 | 398≈ | 186 | 212 | 204 | 206 | 197 | 194 | 214 | 199 | 201 | 157 | 183 | 179 | 183 | 177 | 191 | 152 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2A (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 66.1 | 54.4 | 64.2 | 51.7 | 55.7 | 59.3 | 59.7 | 45 | 51.7 | 48.3 | 53.5 | 43.7 | 48.9 | 46.4 | 63.4 | 59.5 | 57.1 | 45.3 | 39.7 | 35.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 18.9 | <10 | 18.2 | 15.4 | 15.9 | 16.3 | 17.3 | 16.4 | 16.6 | 18 | 18.2 | 16.3 | 19.5 | 16.2 | 19.4 | 18.4 | 19.4 | 16.2 | 13.8 | 13.4 |
| cis-1,2-Dichloroethene | 6 | 19.1 | 19.4 | 20.1 | 16.5 | 18.8 | 18.5 | 20.9 | 22.4 | 21.6 | 28.8 | 27.5 | 26.4 | 24.4 | 25.2 | 40.4 | 37.5 | 40.4 | 37.4 | 25.6 | 22.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 13.4 | <10 | 11.3 | 13 | 9.5 | 11.4 | 11.8 | 10.2 | 10 | 6.2 | 10.1 | 6.8 | 10.6 | 8.6 | 5.2 | 8.8 | 4.0 | 3.7 | 6.9 | 3.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 50.8 | 37.8 | 45.6 | 45 | 38 | 39.2 | 45.3 | 41.3 | 42.1 | 44.9 | 44.5 | 41.7 | 40 | 42.5 | 38.3 | 42.8 | 33.3 | 37.1 | 28.5 | 29.7 |
| Freon-113 | 1200 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.6 | 1.2 | 1.3 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 168 | 112 | 159 | 142 | 138 | 145 | 155 | 137 | 142 | 148 | 155 | 136 | 143 | 139 | 169 | 167 | 154 | 140 | 115 | 105 |
| Total Concentration of VOCs | | 168 | 112 | 159 | 142 | 138 | 145 | 155 | 137 | 142 | 148 | 155 | 136 | 143 | 139 | 169 | 167 | 154 | 140 | 115 | 105 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2A (Cont'd) | | | | | | | | | SB64-02-2B | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Nov-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <5 | <50 | <50 | <2 | <250 | <5 | <5 | <5 | <5 | <5 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | 1.2 | 1.6 | 2.1 | <1 | <1 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <3 | <100 | <2 | <2 | <2 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 1.2 | 1.6 | 2.1 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <3 | <100 | <10 | <10 | <10 | <10 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <2 | <1500 | <30 | <30 | <30 | <30 | <30 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 | <2 | <150 | <3 | <3 | <3 | <3 | <3 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <2 | <500 | <10 | <10 | <10 | <10 | <10 | <100 |
| 1,1-Dichloroethane | 5 | 38.1 | 37.3 | 64.8 | 35.8 | 63.5 | 45 | 34.8 | 22.5 | 36.5 | 1253 | 889 | 995 | 68 | 626 | 606 | 634 | 719 | 832 | 723 | 458 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 10.2 | <20 | <20 | <2 | <100 | <2 | 3.8 | 3.2 | 4.6 | 4.1 | <20 |
| 1,1-Dichloroethene | 6 | 13.7 | 14.8 | 15.6 | 13.5 | 17.7 | 13.1 | 13.2 | 7.1 | 12.6 | 206.7 | 161 | 186 | 9.7 | 89.2 | 61.5 | 84.4 | 126 | 146 | 109 | 67.6 |
| cis-1,2-Dichloroethene | 6 | 24.5 | 25.9 | 31.2 | 34.7 | 46.1 | 34.8 | 28.5 | 18.9 | 36.7 | 3.6 | <10 | <10 | <2 | <50 | 11.1 | 38.4 | 56.6 | 93.6 | 34.1 | 14.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 29.8 | 27.8 | 24.3 | <3 | <50 | 1.6 | 8.4 | <1 | 5.9 | 1.6 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | 7.2 | 4.5 | 6.5 | 1.5 | 1.8 | 4.2 | 1.7 | 3.2 | 1.6 | 8.1 | <10 | <10 | <2 | <50 | 1.6 | <1 | <1 | 5.8 | <1 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.0 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Trichloroethene | 5 | 31.6 | 32.5 | 31.8 | 19.4 | 28.1 | 26.2 | 25.5 | 16 | 19.6 | 42.7 | 38.5 | 74.7 | 7.6 | <50 | 19.2 | 16.8 | 24.5 | 66.3 | 16.9 | 15.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Freon-123A | | | | | | | | | | | <1 | <10 | <10 | | <50 | <1 | <1 | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 13.7 | 14.1 | 17.6 | <2 | <50 | 2.5 | 3.4 | 6.8 | 5.8 | 1.6 | <10 |
| Total Halogenated Hydrocarbons | | 115 | 115 | 150 | 106 | 157 | 123 | 104 | 68 | 107 | 1,571 | 1,130 | 1,298 | 85 | 715 | 704 | 789 | 936 | 1,160 | 890 | 556 |
| Total Concentration of VOCs | | 115 | 115 | 150 | 106 | 157 | 123 | 104 | 68 | 107 | 1,571 | 1,130 | 1,298 | 85 | 715 | 705 | 791 | 938 | 1,160 | 890 | 556 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-06* | Apr-06 | Jun-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| n-Butylbenzene | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| Chlorobenzene | 70 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Isopropylbenzene | | | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | | <20 | <20 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <25 | <25 | <50 | <50 | <50 | | <50 | <50 | <5 | <5 |
| Naphthalene | | | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | | <20 | <20 | <2 | <2 |
| n-Propylbenzene | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| Toluene | 150 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 0.93 | <10 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | <1 | <20 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 0.93 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Bromomethane | 80 | <5 | <10 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <100 | <1 | <100 | <100 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Chloroethane | | <2.5 | <30 | <300 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <150 | <150 | <300 | <300 | <300 | <0.5 | <300 | <300 | <30 | <30 |
| Chloroform | 80 | <2.5 | <3 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <30 | <15 | <15 | <30 | <30 | <30 | <0.5 | <30 | <30 | <3 | <3 |
| Chloromethane | | <2.5 | <10 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 680 | 90 | 681 | 501 | 500 | 734 | 583 | 542 | 608 | 766 | 638 | 666 | 727 | 841 | 762 | 640 | 871 | 794 | 858 | 771 |
| 1,2-Dichloroethane | 0.5 | 3.7 | <2 | <20 | <20 | <20 | 3.8 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | 4.0 | <20 | <20 | 3.8 | 4.2 |
| 1,1-Dichloroethene | 6 | 72 | 17.1 | 87.7 | 62.3 | 45.6 | 93.8 | 52.6 | 59.1 | 58.6 | 75.5 | 63.1 | 65.1 | 80.1 | 86.5 | 69.5 | 72 | 78.6 | 80.7 | 95.8 | 80.6 |
| cis-1,2-Dichloroethene | 6 | 21 | 11.6 | 27.3 | 14.8 | 12.4 | 16.3 | 15.9 | 17.2 | 22.6 | 26.4 | 24.2 | 15 | 14.5 | 22.2 | 20.8 | 27 | 23.1 | 16.6 | 15.6 | 16.7 |
| trans-1,2-Dichloroethene | 10 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2.5 | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | <0.5 | <20 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | <2.5 | 4.5 | <10 | <10 | <10 | 1.9 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 3.4 | <10 | <10 | 1.8 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Trichloroethene | 5 | 20 | 17.1 | 20.3 | 15 | 13.1 | 20.4 | 19.3 | 16 | 15.1 | 16.7 | 15.2 | 15.8 | 17.1 | 19 | <10 | 20 | 17.3 | 14.7 | 18.4 | 18.1 |
| Freon-113 | 1200 | <2.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 |
| Freon-123A | | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <10 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <2.5 | <1 | <10 | <10 | <10 | 1.2 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 1.7 | <10 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 797 | 140 | 816 | 593 | 571 | 871 | 671 | 634 | 704 | 885 | 741 | 762 | 839 | 969 | 852 | 768 | 990 | 906 | 993 | 892 |
| Total Concentration of VOCs | | 797 | 140 | 816 | 593 | 571 | 871 | 671 | 634 | 704 | 885 | 741 | 762 | 839 | 969 | 852 | 1,439≈ | 990 | 906 | 993 | 892 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 815 | 703 | 954 | 920 | 989 | 700 | 809 | 782 | 675 | 741 | 816 | 794 | 652 | 717 | 708 | 787 | 683 | 748 | 724 | 841 |
| 1,2-Dichloroethane | 0.5 | <20 | 3.2 | <20 | 3.8 | <20 | 3.2 | 3.7 | 3.4 | 3.7 | 3.5 | 4.6 | 3.4 | 3.1 | 3.1 | 3.0 | 3.7 | 3.4 | 3.2 | 3.6 | 4.3 |
| 1,1-Dichloroethene | 6 | 90.8 | 67.9 | 98.4 | 84 | 93.4 | 69.7 | 78.4 | 80.2 | 87.2 | 76.6 | 96.4 | 85.7 | 74.1 | 76.5 | 70.7 | 85.7 | 68 | 86 | 73.4 | 103 |
| cis-1,2-Dichloroethene | 6 | 15 | 12.5 | 13.4 | 13.1 | <10 | 9.9 | 10 | 11.3 | 13.3 | 14.9 | 36.4 | 24 | 18.1 | 20.4 | 17.1 | 19.2 | 13.2 | 20.8 | 17 | 16.7 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.2 | <1 | 1.2 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | 1.2 | <10 | 1.7 | <10 | 1.5 | 2.2 | 1.8 | 1.7 | 1.6 | <1 | 2.2 | 1.2 | 1.8 | 2.0 | 1.7 | 1.3 | 1.2 | 1.6 | 1.7 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.2 | 16.5 | 18.1 | 17.7 | 19.9 | 16.8 | 17.9 | 17.7 | 17.7 | 16.9 | 14.4 | 15.5 | 12.5 | 14.1 | 14.1 | 14.3 | 10.3 | 11.1 | 12.9 | 14.3 |
| Freon-113 | 1200 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 2.1 | 1.6 | 2.2 | 1.8 | 2.2 | 4.0 | 4.6 | 7.3 | 6.0 | 7.9 |
| Total Halogenated Hydrocarbons | | 940 | 804 | 1,084 | 1,040 | 1,102 | 801 | 921 | 896 | 799 | 855 | 970 | 926 | 763 | 835 | 817 | 917 | 785 | 878 | 840 | 989 |
| Total Concentration of VOCs | | 940 | 804 | 1,084 | 1,040 | 1,102 | 801 | 921 | 896 | 799 | 855 | 970 | 926 | 763 | 835 | 817 | 917 | 785 | 878 | 840 | 989 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2B (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 583 | 578 | 638 | 538 | 688 | 534 | 74.3 | 463 | 557 | 440 | 452 | 457 | 472 | 460 | 406 | 467 | 497 | 459 | 437 | 375 | 408 |
| 1,2-Dichloroethane | 0.5 | 2.8 | 3.0 | 2.6 | 2.3 | 3.2 | 2.6 | <2 | 2.4 | 2.2 | 2.3 | <2 | 2.5 | 2.3 | 2.1 | 2.5 | 2.2 | 2.4 | 2.1 | <2 | <2 | 2.1 |
| 1,1-Dichloroethene | 6 | 69.8 | 77.5 | 96 | 63.2 | 101 | 72 | 24.3 | 86.1 | 75.4 | 59.6 | 73.6 | 73.4 | 68.2 | 68.7 | 75.9 | 62.3 | 78 | 67.3 | 66.8 | 61.9 | 70.3 |
| cis-1,2-Dichloroethene | 6 | 16.3 | 26.3 | 35.4 | 22.4 | 18.8 | 16.5 | 17.2 | 32.3 | 23.4 | 21.2 | 18.7 | 19 | 15 | 13.5 | 19.7 | 16.1 | 17.7 | 22 | 14.7 | 21.7 | 15.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | 1.3 | <1 | <1 | 1.4 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.6 | 9.7 | 9.7 | 8.5 | 9.9 | 8.6 | 4.3 | 7.5 | 6.0 | 5.4 | 5.6 | 6.5 | 5.6 | 7.8 | 5.5 | 7.5 | 5.7 | 6.5 | 5.2 | 5.3 | 6.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 7.2 | 7.3 | 9.0 | 7.2 | 7.4 | 7.7 | 3.2 | 6.1 | 8.3 | 7.7 | 8.9 | 8.8 | 5.7 | 6.1 | 8.9 | 10.1 | 9.4 | 7.7 | 7.8 | 7.6 | 8.4 |
| Total Halogenated Hydrocarbons | | 691 | 703 | 791 | 642 | 830 | 642 | 123 | 597 | 672 | 536 | 559 | 567 | 569 | 558 | 519 | 566 | 610 | 565 | 532 | 472 | 511 |
| Total Concentration of VOCs | | 691 | 703 | 791 | 642 | 830 | 642 | 123 | 597 | 672 | 536 | 559 | 567 | 569 | 558 | 519 | 566 | 610 | 565 | 532 | 472 | 511 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2C | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <30 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <50 | <5 | <5 | <5 | <5 | <50 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <10 | 1.7 | 1.9 | 1.4 | 1.1 | <10 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 1.7 | 1.9 | 1.4 | 1.1 | | 0.75 | | | | | | | | | 1 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <300 | <30 | <30 | <30 | <30 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | 0.78 | <30 | <3 | <3 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <0.5 | <100 | <10 | <10 | <10 | <10 | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 136.9 | 241 | 202 | 120 | 151 | 150 | 162 | 149 | 138 | 137 | 90 | 87.7 | 94.4 | 88.2 | 95.7 | 98.9 | 92.7 | 92 | 101 | 98.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | 2.1 | 0.67 | <20 | <2 | <2 | <2 | <2 | <20 | 0.56 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 142.8 | 80.6 | 63 | 51 | 49.8 | 57 | 66.9 | 52.9 | 61.2 | 52.3 | 39 | 40.3 | 42.2 | 38.9 | 42.4 | 43.5 | 41.7 | 40.2 | 38.2 | 40.4 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.6 | 0.59 | <10 | 30.7 | 46.6 | 47.1 | 40.4 | 25.1 | 21 | 20.8 | 22.1 | 20.2 | 19.8 | 19.7 | 19.4 | 17.9 | 17.8 | 18.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 3.8 | 2.6 | 2.9 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.4 | 2.2 | 4.1 | 0.97 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <1 |
| 1,1,1-Trichloroethane | 200 | 1.1 | <1 | <1 | 0.63 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12.9 | 13.5 | 37.6 | 12 | 14.8 | 7.2 | 7.3 | 4.1 | 4.1 | 12.5 | 3.8 | 4.6 | 5.4 | 5.4 | 6.7 | 6.7 | 9.4 | 9.3 | 9.2 | 7.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <10 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 8.3 | 8.4 | 5.6 | 2.8 | <10 | 2.8 | 3.2 | 2.7 | 2.7 | <10 | 2.0 | 2.4 | 2.2 | 2.0 | 1.9 | 2.0 | 1.5 | 1.7 | 1.7 | 1.5 |
| Total Halogenated Hydrocarbons | | 312 | 348 | 319 | 189 | 216 | 248 | 286 | 256 | 246 | 227 | 156 | 156 | 166 | 155 | 167 | 171 | 165 | 162 | 169 | 167 |
| Total Concentration of VOCs | | 312 | 348 | 319 | 189 | 216 | 249 | 288 | 257 | 248 | 227 | 157 | 156 | 166 | 155 | 167 | 171 | 165 | 162 | 169 | 168 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2C (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | | <2 | <20 | <2 | <10 | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | | <5 | <50 | <5 | <25 | | <25 | <5 | <5 | <5 | <5 | | | | | | | | |
| Naphthalene | | <10 | | <2 | <20 | <2 | <10 | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 0.6 | <1 | <10 | <1 | <5 | 1 | <5 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <1 | <2 | <20 | <2 | <10 | <1 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 0.6 | | | | | 1 | | | | | | | 1 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <1 | <10 | <100 | <10 | <50 | <1 | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <150 | <0.5 | <30 | <300 | <30 | <150 | <0.5 | <150 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <0.5 | <3 | <30 | <3 | <15 | <0.5 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <50 | <0.5 | <10 | <100 | <10 | <50 | <0.5 | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 90.5 | 74 | 79.7 | 79.3 | 105 | 93 | 86 | 93.2 | 93.1 | 91.7 | 92.9 | 87.2 | 84.1 | 95.7 | 103 | 106 | 82.2 | 95.5 | 97.1 | 81.7 |
| 1,2-Dichloroethane | 0.5 | <10 | 0.68 | <2 | <20 | <2 | <10 | 0.83 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 35.1 | 38 | 25.2 | 34.4 | 45.3 | 37.1 | 40 | 33.1 | 38 | 38.1 | 34.8 | 35.7 | 30.7 | 37.5 | 38.2 | 36.1 | 28.9 | 32.6 | 33.6 | 31.3 |
| cis-1,2-Dichloroethene | 6 | 15.7 | 14 | 14.4 | 15.1 | 19.1 | 19.1 | 19 | 20.4 | 18.8 | 19.8 | 19.1 | 17.9 | 17.5 | 20.2 | 21.9 | 20.3 | 17 | 16.2 | 18 | 15.8 |
| trans-1,2-Dichloroethene | 10 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <10 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <0.5 | <2 | <20 | <2 | <10 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <0.5 | <1 | <10 | <1 | <5 | .<0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | 0.75 | <1 | <10 | <1 | <5 | 1.6 | <5 | 1.2 | 1.0 | 1.1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.7 | 7.6 | 5.9 | <10 | 8.4 | 8.3 | 10 | 8 | 7.9 | 7.1 | 8.2 | 6.7 | 6.9 | 7.6 | 6.6 | 6.6 | 6.4 | 8.1 | 8.7 | 6.9 |
| Freon-113 | 1200 | <5 | <0.5 | <1 | <10 | <1 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | | <1 | <10 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | 1.1 | <1 | <10 | 1.7 | <5 | 1.6 | <5 | 1.3 | 1.3 | 1.2 | 1.2 | 1.1 | 1.5 | 1.6 | 1.4 | 1.2 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 150 | 136 | 125 | 129 | 180 | 158 | 159 | 155 | 160 | 159 | 157 | 149 | 141 | 163 | 171 | 170 | 136 | 152 | 157 | 136 |
| Total Concentration of VOCs | | 150 | 137 | 125 | 129 | 180 | 158 | 160 | 155 | 160 | 159 | 157 | 149 | 141 | 164 | 171 | 170 | 136 | 152 | 157 | 136 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2C (Cont'd) Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | 1.2 | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 1.2 | 1 | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 97 | 138 | 96.7 | 94 | 89.7 | 97.9 | 83.9 | 76.4 | 98.4 | 73.4 | 78.3 | 82.9 | 82.1 | 91.4 | 75.3 | 72.3 | 67 | 84.7 | 80.7 | 88.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 30.3 | 47.5 | 34.1 | 32.4 | 29.2 | 33.1 | 29.6 | 25.7 | 31.2 | 24.6 | 28.2 | 26.1 | 29.7 | 32 | 26.2 | 30.5 | 23.3 | 17.9 | 31.9 | 29.2 |
| cis-1,2-Dichloroethene | 6 | 18.1 | 26.9 | 19.4 | 19.4 | 23.1 | 18.5 | 16.8 | 14.6 | 19.3 | 15.5 | 16.2 | 18.3 | 19.8 | 20.7 | 16.8 | 15.7 | 15.6 | 8.4 | 20.3 | 20.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.5 | <1 | <1 | 1.4 | <10 | 1.7 | <1 | 1.0 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 9.3 | 9.7 | 8.5 | 7.7 | <10 | 8.8 | 6.2 | 5.7 | 8.0 | 5.8 | 4.6 | 7.4 | 4.7 | 4.8 | 4.1 | 3.5 | 4.3 | 4.2 | 2.8 | 4.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.5 | 1.6 | 1.4 | 1.8 | <10 | 2.0 | 1.9 | 1.6 | 2.1 | 2.2 | 2.0 | 2.1 | 2.6 | 3.5 | 3.2 | 2.6 | 2.3 | 2.6 | 2.7 | 3.6 |
| Total Halogenated Hydrocarbons | | 158 | 224 | 160 | 157 | 142 | 162 | 138 | 125 | 159 | 122 | 129 | 138 | 139 | 152 | 126 | 125 | 113 | 119 | 138 | 146 |
| Total Concentration of VOCs | | 158 | 225 | 161 | 157 | 142 | 162 | 138 | 125 | 159 | 122 | 129 | 138 | 139 | 152 | 126 | 125 | 113 | 119 | 138 | 146 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-2C (Cont'd) | | | | | | | | | | | | SB64-02-2D | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Nov-02 | Feb-03 | Jun-03 | Jul-03* | Apr-04 | Sep-04 | Mar-05 | Oct-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <50 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | 1.1 | 1.9 | 1.7 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | 1.1 | 1.9 | 1.7 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <20 | <2 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | 0.96 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 79.4 | 80.4 | 77.5 | 66.4 | 61.5 | 84.8 | 55.6 | 79.6 | 71.4 | 70.8 | 65.5 | 67.6 | 574.3 | 341 | 260 | 120 | 68 | 144 | 170 | 79.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | 1.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 25.1 | 27.4 | 22.5 | 22.2 | 20.6 | 23.1 | 17.8 | 21.2 | 17.9 | 19.1 | 16.2 | 16.3 | 113.7 | 70.6 | 47.8 | 45 | 13.1 | 52.2 | 46.5 | 18.5 |
| cis-1,2-Dichloroethene | 6 | 18.2 | 18.6 | 13.4 | 12.4 | 11.5 | 13.4 | 10.7 | 12.3 | 9.9 | 9.6 | 8.9 | 8.5 | <1 | <10 | 1.1 | 0.9 | 2.7 | 17.8 | 32.8 | 19.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.7 | <10 | 3.1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.3 | <10 | <1 | 0.53 | 3.4 | <1 | <1 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <10 | <1 | 0.76 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.3 | 4.0 | 2.9 | 3.5 | 3.5 | 3.8 | 2.9 | 3.9 | 3.5 | 2.4 | 2.2 | 3.1 | 10.3 | 11.5 | 8.6 | 8.7 | 17.3 | 7.7 | 6.9 | 9.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | <1 | <10 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 4.6 | 4.6 | 4.3 | 2.8 | 2.7 | 4.4 | 5.7 | 6.2 | 5.2 | 5.8 | 7.4 | 8.1 | 7.5 | <10 | 4.8 | 3.8 | <1 | 1.7 | 1.8 | <1 |
| Total Halogenated Hydrocarbons | | 131 | 135 | 121 | 107 | 100 | 130 | 93 | 123 | 108 | 108 | 100 | 104 | 718 | 423 | 325 | 182 | 105 | 223 | 258 | 128 |
| Total Concentration of VOCs | | 131 | 135 | 121 | 107 | 100 | 130 | 93 | 123 | 108 | 108 | 100 | 104 | 718 | 423 | 325 | 182 | 106 | 225 | 260 | 128 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2D (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| n-Butylbenzene | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| sec-Butylbenzene | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| ter-Butylbenzene | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| Chlorobenzene | 70 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Ethylbenzene | 300 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Isopropylbenzene | | <2 | <20 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 | <2 | <10 | | <10 |
| p-Isopropyltoluene | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <25 | | <25 | <5 | <5 | <25 | | <25 |
| Naphthalene | | <2 | <20 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 | <2 | <10 | | <10 |
| n-Propylbenzene | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| Toluene | 150 | <1 | <10 | 1.4 | 1.1 | <1 | 1.3 | <10 | 1.4 | 1.7 | 1.7 | 2.0 | <1 | <5 | 1.1 | <5 | <1 | 1.2 | <5 | 1.7 | <5 |
| Xylenes, total | 1750 | <2 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <10 | <2 | <1 | <10 | <1 | <10 |
| Total Aromatic Hydrocarbons | | | | 1.4 | 1.1 | | 1.3 | | 1.4 | 1.7 | 1.7 | 2 | | | 1.1 | | | 1.2 | | 1.7 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Bromomethane | 80 | <10 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <50 | <1 | <50 | <10 | <10 | <50 | <1 | <50 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Chloroethane | | <30 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <150 | <0.5 | <150 | <30 | <30 | <150 | <0.5 | <150 |
| Chloroform | 80 | <3 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <15 | <0.5 | <15 | <3 | <3 | <15 | <0.5 | <15 |
| Chloromethane | | <10 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <50 | <0.5 | <50 | <10 | <10 | <50 | <0.5 | <50 |
| 1,1-Dichloroethane | 5 | 130 | 108 | 130 | 118 | 65.7 | 123 | 116 | 122 | 113 | 113 | 117 | 60.7 | 109 | 84 | 104 | 80.3 | 112 | 103 | 98 | 105 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | 0.7 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | 0.81 | <10 | <2 | <2 | <10 | 0.69 | <10 |
| 1,1-Dichloroethene | 6 | 39.2 | 32.6 | 30 | 34.6 | 16.4 | 35.8 | 30.1 | 35.3 | 34 | 32.5 | 32.2 | 12.7 | 30.6 | 25 | 27.9 | 22.3 | 33.4 | 28.9 | 35 | 26.3 |
| cis-1,2-Dichloroethene | 6 | 23.3 | 15.9 | 17 | 17.6 | 10.3 | 16.2 | 12.8 | 14.3 | 15.5 | 13.5 | 14.7 | 9.5 | 12.1 | 10 | 11 | 9.8 | 12.3 | 9 | 13 | 11.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <5 | <1 | <1 | <5 | <1 | <5 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <0.5 | <10 | <2 | <2 | <10 | <0.5 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Tetrachloroethene | 5 | <1 | <10 | 0.57 | 1.3 | 3.0 | <1 | <10 | <1 | <1 | 1.4 | 1.5 | 2.4 | <5 | 2.4 | <5 | 1.8 | <1 | <5 | 1.5 | <5 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Trichloroethene | 5 | 4.2 | <10 | 5.0 | 6.6 | 13.8 | 5.3 | <10 | 6.0 | 7.1 | 7.9 | 6.9 | 13.6 | <5 | 13 | 5.3 | 8.3 | 5.4 | 6.4 | 8.2 | <5 |
| Freon-113 | 1200 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <5 |
| Freon-123A | | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <5 |
| Vinyl Chloride | 0.5 | 1.7 | <10 | 1.4 | 1.5 | 1.5 | 1.2 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | 0.8 | <5 | <1 | <1 | <5 | 0.89 | <5 |
| Total Halogenated Hydrocarbons | | 198 | 157 | 185 | 180 | 111 | 182 | 159 | 178 | 170 | 168 | 172 | 99 | 152 | 136 | 148 | 123 | 163 | 147 | 157 | 143 |
| Total Concentration of VOCs | | 198 | 157 | 186 | 181 | 111 | 183 | 159 | 179 | 171 | 170 | 174 | 99 | 152 | 137 | 148 | 123 | 164 | 147 | 159 | 143 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2D (Cont'd) Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.2 | 1.3 | 1.1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.2 | 1.3 | 1.1 | 1.5 | | | | | | | | | | 1 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 110 | 111 | 105 | 103 | 93.2 | 77.7 | 119 | 118 | 98.5 | 110 | 108 | 91 | 100 | 137 | 79.1 | 104 | 100 | 92.8 | 85.4 | 86.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 32.4 | 31.4 | 31 | 30 | 24.9 | 20.8 | 31.4 | 30.3 | 27 | 26.9 | 28 | 22.4 | 25.3 | 32.2 | 12.6 | 25 | 22.6 | 22.9 | 15.1 | 20.5 |
| cis-1,2-Dichloroethene | 6 | 13.5 | 13.3 | 13.1 | 12 | 10.7 | 10.8 | 14.3 | 12.6 | 10.2 | 11.8 | 11.5 | 10.1 | 11.8 | 15.5 | 11.4 | 11.8 | 9.2 | 9.4 | 12 | 8.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.1 | <1 | 1.3 | <1 | 1.2 | 2.0 | 1.5 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 2.6 | 1.2 | 1.7 | <1 | 2.9 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.2 | 5.6 | 8.0 | 5.8 | 6.6 | 9.1 | 9.4 | 5.8 | 5.3 | 5.9 | 6.4 | 5.8 | 6.2 | 6.0 | 12.5 | 5.8 | 7.5 | 5.0 | 15.1 | 5.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.4 | 1.6 | <1 | 1.2 |
| Total Halogenated Hydrocarbons | | 164 | 161 | 158 | 151 | 137 | 120 | 177 | 167 | 142 | 155 | 154 | 129 | 143 | 191 | 118 | 149 | 142 | 132 | 131 | 124 |
| Total Concentration of VOCs | | 165 | 163 | 160 | 152 | 137 | 120 | 177 | 167 | 142 | 155 | 154 | 129 | 143 | 192 | 118 | 149 | 142 | 132 | 131 | 124 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2D (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 1.1 | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 102 | 90.2 | 115 | 80.1 | 83.9 | 97.8 | 84.5 | 88.4 | 80.2 | 83.6 | 105 | 91 | 88.5 | 79 | 88.2 | 78.4 | 79.2 | 98.8 | 65 | 85.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 23.2 | 21.3 | 27.7 | 18.2 | 22.7 | 24.4 | 19 | 20.4 | 18.1 | 17.8 | 27.5 | 20.8 | 19.1 | 17.5 | 16.7 | 14.1 | 15.8 | 16.8 | 14 | 16.6 |
| cis-1,2-Dichloroethene | 6 | 9.6 | 9.4 | 12.6 | 8.3 | 8.1 | 8.2 | 8.1 | 12.5 | 7.6 | 8.3 | 10.7 | 9.5 | 8.8 | 7.7 | 7.1 | 6.7 | 7.6 | 7.9 | 8.6 | 6.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5 | 5.6 | 6.1 | 4.8 | 5.2 | 4.5 | 4.6 | 10.6 | 4.5 | 4.5 | 5.3 | 4.0 | 3.8 | 3.2 | 3.4 | 3.5 | 3.8 | 3.2 | 5.6 | 2.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.5 | 1.4 | 2.1 | 1.5 | 2.0 | 2.8 | 2.1 | 1.5 | 1.5 | 2.4 | 3.2 | 3.2 | 3.6 | 3.2 | 2.9 | 2.2 | 2.1 | 3.1 | 2.6 | 2.2 |
| Total Halogenated Hydrocarbons | | 141 | 128 | 164 | 113 | 122 | 138 | 118 | 136 | 112 | 117 | 152 | 129 | 124 | 111 | 118 | 105 | 109 | 130 | 97 | 114 |
| Total Concentration of VOCs | | 141 | 128 | 164 | 113 | 122 | 139 | 118 | 136 | 112 | 117 | 152 | 129 | 124 | 111 | 118 | 105 | 109 | 130 | 97 | 114 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-2D (Cont'd) | | | | SB64-02-2E | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | 1.5 | 2.2 | <1 | 0.52 | 8.1 | 9.4 | 3.3 | 6.8 | 4.9 | 1.9 | 2.2 | 2.0 | 2.1 | 1.8 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | 1.5 | 2.2 | | 0.52 | 8.1 | 9.4 | 3.3 | 6.8 | 4.9 | 1.9 | 2.2 | 2.0 | 2.1 | 1.8 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.4 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 |
| 1,1-Dichloroethane | 5 | 83.2 | 82.5 | 77.9 | 66.1 | 37.7 | 39.7 | 58.2 | 345 | 52 | 79.1 | 90.2 | 84.8 | 112 | 82.8 | 45 | 74 | 73.4 | 70.4 | 67.9 | 79.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | 0.62 | <2 | <2 | <2 | <20 |
| 1,1-Dichloroethene | 6 | 14.1 | 15.4 | 14.6 | 13.5 | 26.3 | 23.5 | 31.4 | 53 | 23 | 30.1 | 38.8 | 25.9 | 35.9 | 27.6 | 14.8 | 20 | 30.8 | 28.7 | 25.3 | 27.5 |
| cis-1,2-Dichloroethene | 6 | 7.0 | 7.0 | 7.2 | 8.1 | <1 | <1 | <1 | <1 | <0.5 | 3.8 | 10.4 | 16.6 | 21.8 | 17.8 | 9.1 | 15 | 15.6 | 14.7 | 14 | 15.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | 1.2 | 1.3 | 1.0 | 3.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 1.5 | <1 | 2.5 | <1 | 1.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.89 | 2.1 | 1.4 | 1.3 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Trichloroethene | 5 | 3.1 | 2.5 | 2.6 | 5.2 | 1.9 | 2.0 | 4.6 | 16.5 | 3.9 | 4.8 | 4.2 | 3.0 | 2.9 | 2.3 | 1.3 | 4.3 | 10.6 | 6.4 | 5.3 | <10 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Freon-123A | | | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | 1.8 | 1.9 | 2.2 | 2.4 | 5.5 | 4.1 | 5.1 | 6.6 | 2.2 | 2.1 | <1 | 1.9 | 2.4 | 1.7 | <1 | 1.7 | 2.5 | 1.9 | 1.6 | <10 |
| Total Halogenated Hydrocarbons | | 109 | 109 | 105 | 97 | 73 | 73 | 100 | 427 | 83 | 120 | 144 | 132 | 175 | 132 | 70 | 117 | 135 | 124 | 115 | 123 |
| Total Concentration of VOCs | | 109 | 109 | 105 | 97 | 73 | 75 | 103 | 427 | 83 | 128 | 153 | 136 | 182 | 137 | 72 | 119 | 137 | 126 | 117 | 123 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2E (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.4 | 2.0 | 1.8 | 1.7 | 2.3 | 2.1 | 2.3 | 1.8 | 2.3 | 2.4 | 1.7 | 1.8 | 1.6 | 1.6 | 1.6 | 1.5 | 1.4 | 1.3 | 2.2 | 1.4 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.4 | 2.0 | 1.8 | 1.7 | 2.3 | 2.1 | 2.3 | 1.8 | 2.3 | 2.4 | 1.7 | 1.8 | 1.6 | 1.6 | 1.6 | 1.5 | 1.4 | 1.3 | 2.2 | 1.4 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 74.2 | 74.4 | 65.4 | 73 | 75.6 | 84.6 | 66 | 80 | 62.1 | 97.2 | 84.6 | 74 | 77.3 | 84 | 79.8 | 73.5 | 77 | 60.5 | 92 | 88.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | 0.54 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 32.6 | 25.7 | 22.8 | 23.9 | 27.2 | 27.6 | 30 | 25.2 | 28.1 | 35.3 | 30.4 | 28 | 24.4 | 27.4 | 27.1 | 22.8 | 26.7 | 18 | 27.4 | 25.1 |
| cis-1,2-Dichloroethene | 6 | 13.5 | 13.8 | 12.8 | 13.6 | 14.4 | 15.7 | 12 | 14.9 | 10.7 | 19.9 | 14.7 | 15 | 15.3 | 15.5 | 15.2 | 15.1 | 12.8 | 10.9 | 18.4 | 16.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | 1.9 | 1.3 | 1.2 | 1.5 | 1.4 | 1.4 | 1.3 | 1.3 | 1.7 | 1.8 | 1.7 | 1.4 | 1.6 | 1.4 | 1.1 | 1.7 | <1 | 1.8 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.3 | 7.0 | 5.3 | 5.4 | 5.8 | 6.1 | 6.0 | 5.4 | 5.6 | 6.9 | 5.3 | 5.0 | 4.5 | 4.6 | 4.7 | 4.7 | 5.0 | 3.6 | 6.9 | 5.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | 1.6 | <1 | <1 | 1.1 | <1 | <1 | 0.88 | <1 | <1 | 1.2 | <1 | 0.9 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 1.5 |
| Total Halogenated Hydrocarbons | | 130 | 123 | 108 | 118 | 125 | 135 | 116 | 127 | 108 | 162 | 137 | 125 | 123 | 133 | 128 | 117 | 123 | 93 | 148 | 139 |
| Total Concentration of VOCs | | 132 | 125 | 109 | 120 | 127 | 138 | 119 | 129 | 110 | 165 | 139 | 127 | 125 | 135 | 130 | 119 | 125 | 94 | 150 | 141 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2E (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.4 | 1.2 | 1.1 | 1.1 | 1.2 | 1.3 | 1.6 | 1.6 | 1.4 | 1.2 | 1.2 | 1.5 | 1.3 | 1.2 | 1.1 | 1.4 | 1.1 | 1.2 | 1.5 | 1.4 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.4 | 1.2 | 1.1 | 1.1 | 1.2 | 1.3 | 1.6 | 1.6 | 1.4 | 1.2 | 1.2 | 1.5 | 1.3 | 1.2 | 1.1 | 1.4 | 1.1 | 1.2 | 1.5 | 1.4 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 88.4 | 72.2 | 85.7 | 81.2 | 74.7 | 85.4 | 115 | 77.5 | 84.2 | 73.9 | 75 | 58.7 | 63.3 | 70.6 | 70.7 | 69.2 | 67.4 | 71.1 | 108 | 69.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 27.2 | 20.5 | 20.9 | 21.3 | 20.9 | 19.8 | 28.2 | 21.2 | 21.2 | 19.5 | 17.5 | 15.8 | 14.3 | 15.5 | 14.8 | 18.5 | 14 | 15.1 | 19 | 14.1 |
| cis-1,2-Dichloroethene | 6 | 13.6 | 10.8 | 11.5 | 12.1 | 11.1 | 12.7 | 17.1 | 10.9 | 14.4 | 11.3 | 10.8 | 7.6 | 8.6 | 9.7 | 10.3 | 9.3 | 9.3 | 13 | 15.1 | 15.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.5 | 3.8 | 4.3 | 4.6 | 5.4 | 5 | 4.2 | 3.7 | 4.6 | 6.9 | 3.7 | 3.9 | 3.5 | 4.8 | 3.3 | 2.7 | 3.2 | 3.3 | 2.8 | 4.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.7 | 1.3 | <1 | 1.7 | 1.7 | 2.1 | 2.8 | 3 | 3.8 | 4.1 | 3.7 | 3.2 | 2.9 | 3.5 | 3 | 4.2 | 3.2 | 2.6 | 6.2 | 3.6 |
| Total Halogenated Hydrocarbons | | 136 | 110 | 122 | 121 | 116 | 125 | 167 | 116 | 128 | 117 | 111 | 89 | 93 | 105 | 102 | 104 | 97 | 105 | 151 | 107 |
| Total Concentration of VOCs | | 138 | 111 | 124 | 122 | 117 | 126 | 169 | 118 | 130 | 119 | 112 | 91 | 94 | 107 | 103 | 105 | 98 | 106 | 153 | 109 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-2E (Cont'd) | | | | | | | | | | | | | | | | | SB64-02-2F | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Sep-02 | Nov-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.2 | 1.4 | 1.1 | 1.7 | 1.2 | 1 | 1.5 | 1.2 | 1 | 1.2 | 1 | 1.1 | 1.0 | 1.2 | <1 | 1.0 | 1.2 | <1 | 1.3 | 2.3 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.2 | 1.4 | 1.1 | 1.7 | 1.2 | 1 | 1.5 | 1.2 | 1 | 1.2 | 1 | 1.1 | 1.0 | 1.2 | | 1 | 1.2 | | 1.3 | 2.3 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 63.2 | 71.4 | 73.1 | 87.6 | 82.4 | 75.1 | 84.2 | 76.2 | 67.8 | 63.6 | 90.5 | 44.9 | 83.7 | 84.5 | 85.6 | 77.9 | 75.4 | 30.7 | 171.6 | 170 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 16.4 | 14.3 | 12.5 | 17.7 | 14.7 | 11.8 | 13.9 | 11.8 | 10.7 | 10.6 | 11.4 | 9.1 | 12.6 | 12 | 11.5 | 11.2 | 12.4 | 12.1 | 37.8 | 38.3 |
| cis-1,2-Dichloroethene | 6 | 7.9 | 12.8 | 10.8 | 12.4 | 11.9 | 10.7 | 12.2 | 10.8 | 8.0 | 8.5 | 9.0 | 7.1 | 9.9 | 10.8 | 8.7 | 9.9 | 11.8 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 4.0 | 2.4 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | 11.6 | 1.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 3.5 | 2.7 | 2.5 | 2.2 | 2.2 | 1.9 | 2.3 | 2.1 | 2.4 | 2.6 | 2.2 | 2.6 | 2.7 | 1.7 | 1.8 | 2.5 | 6.7 | 9.5 | 6.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 3.2 | 3.2 | 4.0 | 3.7 | 4.6 | 4.2 | 5.1 | 4.1 | 3.0 | 2.7 | 3.9 | 3.0 | 3.6 | 3.5 | 2.8 | 3.1 | 3.2 | 1.5 | 4.2 | 5.9 |
| Total Halogenated Hydrocarbons | | 93 | 105 | 103 | 124 | 116 | 104 | 117 | 105 | 92 | 88 | 117 | 66 | 112 | 114 | 110 | 104 | 105 | 55 | 239 | 225 |
| Total Concentration of VOCs | | 94 | 107 | 104 | 126 | 117 | 105 | 119 | 106 | 93 | 89 | 118 | 67 | 113 | 115 | 110 | 105 | 107 | 55 | 240 | 227 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2F (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-03 | Jul-03* | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* | Apr-06 | May-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| Chlorobenzene | 70 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <10 | <20 | <2 | <10 | <10 | <10 | <2 | <10 | |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <25 | <50 | <5 | <25 | <25 | <25 | <5 | <25 | |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <10 | <20 | <2 | <10 | <10 | <10 | <2 | <10 | |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| Toluene | 150 | <1 | 0.52 | 4.2 | <1 | 2.4 | 2.5 | 3.1 | 1.0 | 1.5 | 1.5 | 2.2 | <5 | <10 | 1.8 | <5 | <5 | <5 | 1.7 | <5 | 1.8 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <10 | <20 | <2 | <10 | <10 | <10 | <2 | <10 | <1 |
| Total Aromatic Hydrocarbons | | | 0.52 | 4.2 | | 2.4 | 2.5 | 3.1 | 1 | 1.5 | 1.5 | 2.2 | | | 1.8 | | | | 1.7 | | 1.8 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Bromomethane | 80 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <50 | <100 | <10 | <50 | <50 | <50 | <10 | <50 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <150 | <300 | <30 | <150 | <150 | <150 | <30 | <150 | 0.98 |
| Chloroform | 80 | <3 | 1.4 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <15 | <30 | <3 | <15 | <15 | <15 | <3 | <15 | <0.5 |
| Chloromethane | | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <50 | <100 | <10 | <50 | <50 | <50 | <10 | <50 | <0.5 |
| 1,1-Dichloroethane | 5 | 537 | 73 | 164 | 48.1 | 64.2 | 303 | 126 | 153 | 260 | 413 | 215 | 342 | 396 | 248 | 330 | 385 | 421 | 470 | 453 | 400 |
| 1,2-Dichloroethane | 0.5 | 3.1 | 1.4 | <2 | <2 | <2 | 2.6 | 2.4 | <2 | 1.7 | <2 | 2.5 | <10 | <20 | 2.8 | <10 | <10 | <10 | 2.9 | <10 | 2.6 |
| 1,1-Dichloroethene | 6 | 78.7 | 8.1 | 40 | 5.0 | 24.4 | 33.4 | 41 | 17.9 | 31 | 41.9 | 55.5 | 41.1 | 44.5 | 59.2 | 38.8 | 37.8 | 42.8 | 50.4 | 44.9 | 46 |
| cis-1,2-Dichloroethene | 6 | 2.2 | <0.5 | 32.8 | 5.8 | 29 | 57.3 | 42.8 | 13.7 | 24 | 28.5 | 34 | 24.8 | 28.8 | 29.4 | 25.3 | 23.5 | 25.9 | 31.2 | 27.5 | 22 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Methylene Chloride | 5 | 3.5 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <10 | <20 | <2 | <10 | <10 | <10 | <2 | <10 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Tetrachloroethene | 5 | <1 | <0.5 | 1.4 | <1 | <1 | <1 | <1 | <1 | 0.87 | <1 | <1 | <5 | <10 | 1.2 | <5 | <5 | <5 | 1.1 | <5 | 1.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Trichloroethene | 5 | 9.4 | 1.9 | 9.4 | <1 | 2.1 | 1.7 | 1.9 | 1.3 | 5.7 | 4.0 | 4.8 | 5.9 | <10 | 6.0 | 6.9 | <5 | <5 | 5.2 | 7.4 | 4.4 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | <0.5 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <5 | <10 | <1 | <5 | <5 | <5 | <1 | <5 | |
| Vinyl Chloride | 0.5 | 7.7 | 0.98 | 3.2 | <1 | 1.7 | 2.7 | 2.9 | <1 | 2.3 | 2.1 | 2.6 | <5 | <10 | 1.9 | <5 | <5 | <5 | 1.2 | <5 | 0.97 |
| Total Halogenated Hydrocarbons | | 642 | 87 | 251 | 59 | 121 | 401 | 218 | 186 | 326 | 490 | 314 | 414 | 469 | 349 | 401 | 446 | 490 | 562 | 533 | 478 |
| Total Concentration of VOCs | | 642 | 87 | 255 | 59 | 124 | 403 | 221 | 187 | 717≈ | 491 | 317 | 414 | 469 | 350 | 401 | 446 | 490 | 564 | 533 | 1,060≈ |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2F (Cont'd) Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <2 | <20 | <20 | | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | <50 | <50 | | <25 | <5 | <5 | <5 | <50 | | | | | | | | | | |
| Naphthalene | | <10 | <2 | <20 | <20 | | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 2.3 | <10 | <10 | 2.0 | <5 | 1.6 | 2.4 | 1.6 | <10 | 1.5 | 1.7 | 2.2 | 1.9 | 2.5 | 1.3 | 1.7 | 1.9 | 2.4 | 1.9 |
| Xylenes, total | 1750 | <10 | <2 | <20 | <20 | <1 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 2.3 | | | 2 | | 1.6 | 2.4 | 1.6 | | 1.5 | 1.7 | 2.2 | 1.9 | 2.5 | 1.3 | 1.7 | 1.9 | 2.4 | 1.9 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <10 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <150 | <30 | <300 | <300 | 2.6 | <150 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <3 | <30 | <30 | <0.5 | <15 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <50 | <10 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 469 | 505 | 490 | 502 | 390 | 513 | 545 | 608 | 540 | 588 | 468 | 538 | 539 | 726 | 477 | 556 | 543 | 576 | 530 | 611 |
| 1,2-Dichloroethane | 0.5 | <10 | 2.8 | <20 | <20 | 3.1 | <10 | 2.7 | 2.5 | 2.5 | <20 | 2.3 | 3.2 | 3.0 | 3.3 | 2.3 | 2.6 | 2.4 | 2.6 | 2.4 | 2.9 |
| 1,1-Dichloroethene | 6 | 42.9 | 47.8 | 50 | 38.8 | 51 | 43.9 | 47.1 | 50.1 | 45.5 | 46.2 | 36.1 | 47.5 | 49.7 | 46.5 | 39.6 | 38.4 | 40.6 | 38.5 | 38 | 39.1 |
| cis-1,2-Dichloroethene | 6 | 25.3 | 30.1 | 28.6 | 25 | 26 | 28 | 25 | 32.3 | 25 | 25.5 | 22.8 | 24.5 | 29.9 | 27.9 | 24 | 19.7 | 22.4 | 20.8 | 25 | 23.1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <10 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <20 | <20 | <0.5 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <10 | <10 | 0.96 | <5 | 1.1 | <1 | 1.0 | <10 | 2.4 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.1 | 4.8 | <10 | <10 | 4.7 | <5 | 4.3 | 3.8 | 4.6 | <10 | 8.4 | 3.4 | 5.0 | 3.2 | 5.3 | 3.0 | 4.6 | 3.4 | 7.2 | 3.4 |
| Freon-113 | 1200 | <5 | <1 | <10 | <10 | <0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <10 | <10 | | <5 | <1 | <1 | <1 | <10 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | 1.1 | <10 | <10 | 1.5 | <5 | 1.5 | 1.8 | 1.8 | <10 | 2 | 2.9 | 3.9 | 4.2 | 2.5 | 3.7 | 3.7 | 3.6 | 3.5 | 8.6 |
| Total Halogenated Hydrocarbons | | 543 | 592 | 569 | 566 | 480 | 585 | 627 | 699 | 620 | 660 | 542 | 620 | 631 | 811 | 552 | 623 | 617 | 645 | 606 | 688 |
| Total Concentration of VOCs | | 543 | 594 | 569 | 566 | 1,092≈ | 585 | 628 | 701 | 622 | 660 | 544 | 621 | 633 | 813 | 554 | 625 | 618 | 647 | 609 | 690 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-2F (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Oct-10 | Nov-10 | Jan-11 | Feb-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.6 | 2.2 | 1.4 | 1.9 | 1.9 | 1.7 | 1.7 | 1.6 | 1.4 | 2.0 | 1.9 | 1.7 | 2.5 | 1.8 | 1.7 | 1.6 | 1.6 | 2.0 | 1.8 | 1.3 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.6 | 2.2 | 1.4 | 1.9 | 1.9 | 1.7 | 1.7 | 1.6 | 1.4 | 2.0 | 1.9 | 1.7 | 2.5 | 1.8 | 1.7 | 1.6 | 1.6 | 2.0 | 1.8 | 1.3 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 589 | 582 | 573 | 528 | 544 | 586 | 596 | 547 | 550 | 507 | 551 | 636 | 475 | 488 | 485 | 456 | 448 | 432 | 430 | 451 |
| 1,2-Dichloroethane | 0.5 | 2.2 | 2.5 | 2.2 | 2.2 | 2.6 | 2.6 | 2.5 | 2.3 | 2.8 | 2.4 | 3.2 | 2.3 | 2.2 | 2.3 | 2.1 | 2.1 | 2.0 | 2.5 | 2.2 | <2 |
| 1,1-Dichloroethene | 6 | 36.2 | 33.7 | 33.3 | 31 | 30.6 | 30.4 | 30.8 | 27.6 | 20.9 | 26.1 | 31.6 | 32.3 | 22.4 | 29.5 | 21.9 | 20 | 22.7 | 25.6 | 17.9 | 16.4 |
| cis-1,2-Dichloroethene | 6 | 20.6 | 23.1 | 18.1 | 18.3 | 17.3 | 15.9 | 16.7 | 16.6 | 17.5 | 16.7 | 17.2 | 17.1 | 19.4 | 15 | 14.5 | 13.8 | 15 | 17.9 | 14.3 | 11.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.1 | <1 | 1.1 | <1 | <1 | 1.6 | <1 | 1.3 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.4 | 6.5 | 3.5 | 4.0 | 3.2 | 3.4 | 5.0 | 4.2 | 3.8 | 3.6 | 2.9 | 2.4 | 5.6 | 2.2 | 2.5 | 3.0 | 3.4 | 3.8 | 2.9 | 2.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 10.6 | 12.3 | 9.2 | 9.3 | 8.5 | 7.0 | 8.9 | 8.1 | 6.8 | 7.8 | 11.1 | 14 | 13.5 | 9.2 | 7.3 | 11.5 | 8.3 | 12.2 | 14.7 | 9.9 |
| Total Halogenated Hydrocarbons | | 663 | 661 | 639 | 594 | 606 | 645 | 662 | 606 | 603 | 564 | 617 | 704 | 539 | 546 | 533 | 506 | 499 | 494 | 482 | 492 |
| Total Concentration of VOCs | | 665 | 663 | 641 | 596 | 608 | 647 | 663 | 607 | 605 | 566 | 619 | 706 | 542 | 548 | 535 | 508 | 501 | 496 | 484 | 493 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-02-2F (Cont'd) | | | | | | | | | | SB64-03-1A | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Apr-03 | May-03 | Sep-03 | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.0 | 1.4 | 1.5 | 1.6 | 1.3 | <1 | 1.8 | 1.1 | 1.4 | 1.4 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2 | 1.4 | 1.5 | 1.6 | 1.3 | | 1.8 | 1.1 | 1.4 | 1.4 | | 2 | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 460 | 386 | 401 | 429 | 347 | 456 | 405 | 420 | 339 | 380 | <1 | <1 | 5.0 | 39.9 | 20.1 | 16.5 | 12.7 | 12.6 | 17.4 | 21.5 |
| 1,2-Dichloroethane | 0.5 | 2.4 | <2 | <2 | 2.3 | <2 | <2 | <2 | 2.0 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 18.9 | 18.3 | 17.5 | 21.8 | 16.9 | 16.6 | 17.8 | 17.3 | 16.1 | 16.5 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 14.8 | 14.6 | 13.7 | 13.5 | 12.9 | 11.7 | 18 | 11.5 | 11 | 13.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.4 | 6.5 | 2.9 | 2.2 | 2.5 | <1 | 2.8 | 1.8 | 1.8 | 1.7 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | 12.4 | 6.9 | 6.9 | 7.7 | 8.4 | <1 | 8.5 | 6.2 | 5.6 | 7.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 512 | 435 | 442 | 477 | 388 | 484 | 452 | 459 | 374 | 419 | | | 5.0 | 42 | 20 | 17 | 13 | 13 | 17 | 22 |
| Total Concentration of VOCs | | 514 | 436 | 444 | 478 | 389 | 484 | 454 | 460 | 375 | 420 | | 2.0 | 5.0 | 42 | 20 | 17 | 13 | 13 | 17 | 22 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1A (Cont'd) Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sept-06* | Mar-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 35.4 | 47 | 55.9 | 59.8 | 70 | 70.3 | 48.5 | 35.7 | 25.3 | 21.2 | 16.9 | 27.2 | 22.2 | 155 | 189 | 130 | 35 | 180 | 40 | 35.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 2.7 | 2.6 | <2 | <2 | 1.9 | 0.63 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 9.3 | 7.4 | 3.5 | 9.1 | 1.2 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.3 | 1.6 | <1 | 2.2 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.5 | 1.6 | 1.4 | 3.3 | 0.68 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 1.3 | 1.6 | 2.5 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 16.7 | 17.9 | 15.5 | 9.1 | 28 | 4.6 | 5.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Freon-123A | | | | | | | | | | | | | | | <1 | <1 | <1 | <1 | | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 35 | 47 | 56 | 61 | 72 | 73 | 49 | 36 | 25 | 21 | 17 | 29 | 22 | 184 | 223 | 156 | 49 | 225 | 47 | 41 |
| Total Concentration of VOCs | | 35 | 47 | 56 | 61 | 72 | 73 | 49 | 36 | 25 | 21 | 17 | 29 | 22 | 184 | 223 | 156 | 49 | 435≈ | 47 | 41 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-1A (Cont'd) | | | | | SB64-03-1B | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-07* | Sep-09 | Sep-10* | Sep-11 | Sept-12* | Apr-03 | May-03 | May-03 | May-03 | May-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jul-03 | Jul-03 | Jul-03* | Aug-03* | Aug-03 | Aug-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| n-Butylbenzene | | | <1 | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| sec-Butylbenzene | | | <1 | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| ter-Butylbenzene | | | <1 | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <30 | <1 |
| Isopropylbenzene | | | <2 | | <2 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 |
| p-Isopropyltoluene | | | <1 | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <50 | <5 |
| Naphthalene | | | <2 | | <2 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 |
| n-Propylbenzene | | | <1 | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Toluene | 150 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Bromomethane | 80 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Chloroethane | | <0.5 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 1.6 | <0.5 | <300 | <30 |
| Chloroform | 80 | <0.5 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <30 | <3 |
| Chloromethane | | <0.5 | <10 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 18 | 19.4 | 12 | 14.4 | 9.9 | 429 | 315 | 873 | 1020 | 1070 | 1410 | 1080 | 1450 | 1480 | 1630 | 1390 | 890 | 1100 | 1570 | 1170 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | 4.5 | <20 | 5.9 | 6.8 | 6.9 | 8.5 | 9.0 | 9.8 | 10.1 | 7.6 | 7.1 | <20 | 9.2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <0.5 | <1 | <0.5 | 55.8 | 34.9 | 117 | 131 | 161 | 196 | 186 | 176 | 196 | 183 | 140 | 160 | 160 | 338 | 213 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <0.5 | <1 | <0.5 | 1.2 | 1.2 | 4.0 | <10 | 5.8 | 7.2 | 6.3 | 8.2 | 8.5 | 8.3 | 6.5 | 6.9 | 8.9 | <10 | 9.7 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | 5.3 | 4.5 | 11 | 11.8 | 12.8 | 16 | 14.3 | 17.1 | 17.5 | 19.2 | 15 | 12 | 16 | 20 | 16.2 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | 3.3 | <10 | 2.1 | 2.2 | 2.3 | 3.3 | 4.2 | 4.6 | 2.5 | 5.7 | 4.3 | 13 | 2.8 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.5 | <0.5 | <10 | <1 |
| Trichloroethene | 5 | 2.7 | 2.2 | 0.85 | 1.4 | 1.9 | 6.6 | 2.8 | 19.9 | 21.1 | 29.4 | 35.1 | 34.7 | 45.1 | 48.9 | 54.2 | 38.7 | 45 | 51 | 60.3 | 43.2 |
| Freon-113 | 1200 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 |
| Freon-123A | | | | | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <10 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | 3.6 | <1 | <0.5 | 25.3 | 25.7 | 54 | 52.4 | 64.8 | 76.5 | 79.2 | 95.6 | 104 | 108 | 73.3 | 67 | 100.0# | 113 | 84.4 |
| Total Halogenated Hydrocarbons | | 21 | 22 | 16 | 16 | 12 | 523 | 384 | 1,087 | 1,236 | 1,352 | 1,750 | 1,410 | 1,804 | 1,868 | 2,017 | 1,676 | 1,196 | 1,447 | 2,114 | 1,549 |
| Total Concentration of VOCs | | 21 | 22 | 16 | 16 | 12 | 523 | 384 | 1,087 | 1,236 | 1,352 | 1,750 | 1,410 | 1,822≈ | 1,886≈ | 2,035≈ | 1,692≈ | 1,196 | 1,447 | 2,114 | 1,549 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-03* | Aug-03* | Sep-03 | Jan-04 | Feb-04 | Apr-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <30 | <1 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <0.5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <1 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Chloroethane | | 1.9 | 1.6 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <0.5 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <0.5 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1200 | 1200 | 461 | 475 | 682 | 469 | 644 | 378 | 559 | 637 | 578 | 573 | 463 | 364 | 349 | 419 | 429 | 388 | 336 | 388 |
| 1,2-Dichloroethane | 0.5 | 8.2 | 8.7 | <20 | 5.1 | <20 | 4.5 | 6.0 | 6.0 | 2.5 | 6.7 | 7.0 | 7.6 | 6.7 | 3.7 | <20 | 3.3 | <20 | 3.3 | 4.3 | 3.9 |
| 1,1-Dichloroethene | 6 | 210 | 190 | 60.1 | 27.6 | 32.2 | 13.3 | 21.8 | 19.8 | 19 | 23.1 | 24.8 | 23.3 | 16.1 | 8.8 | <10 | 17.7 | <10 | 17.1 | 15.3 | 16.6 |
| cis-1,2-Dichloroethene | 6 | 7.7 | 8.0 | <10 | 3.3 | <10 | 2.4 | 3.0 | 2.6 | 2.1 | 3.6 | 3.7 | 4.2 | 3.1 | 1.6 | <10 | 3.4 | <10 | 3.1 | 2.4 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 15 | 16 | <10 | 3.8 | <10 | 2.1 | 1.9 | 2.3 | <1 | 1.2 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.9 | 3.6 | <10 | 2.5 | <10 | 2.3 | 3.5 | 1.8 | 5.1 | 4.5 | 4.5 | 3.5 | 3.0 | 1.3 | <10 | 5.9 | <10 | 4.9 | 4.5 | 4.9 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | 0.58 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 51 | 47 | 17.3 | 19.8 | 23.8 | 13.4 | 27.2 | 18 | 29.1 | 33.7 | 32.2 | 29.6 | 25.6 | 10.6 | 16.7 | 35.9 | 35.5 | 34.1 | 29.6 | 32.8 |
| Freon-113 | 1200 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Freon-123A | | | | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 74 | 70 | 14.2 | 2.3 | <10 | <1 | 1.5 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,573 | 1,545 | 553 | 539 | 738 | 507 | 709 | 430 | 617 | 710 | 650 | 641 | 518 | 390 | 366 | 485 | 465 | 451 | 392 | 449 |
| Total Concentration of VOCs | | 1,573 | 1,545 | 553 | 539 | 738 | 507 | 709 | 430 | 617 | 710 | 650 | 641 | 518 | 390 | 366 | 485 | 465 | 451 | 392 | 449 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <0.5 |
| 1,1-Dichloroethane | 5 | 282 | 281 | 295 | 302 | 268 | 216 | 193 | 126 | 150 | 145 | 153 | 161 | 212 | 201 | 189 | 195 | 170 | 165 | 140 | 140 |
| 1,2-Dichloroethane | 0.5 | 3.8 | 2.7 | 2.2 | 3.4 | 3.6 | 2.9 | 2.6 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | 2.3 | 2.4 | 2.4 | 2.3 | <20 | 2.1 |
| 1,1-Dichloroethene | 6 | 13.4 | 10.9 | 7.7 | 10 | 13.1 | 10.3 | 14.8 | 11.3 | 14.7 | <10 | 13.3 | 14.9 | 18.2 | 18 | 14.1 | 9.7 | 10 | 6.9 | <10 | 7.0 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 2.0 | 1.9 | 3.2 | 2.9 | 2.3 | 2.4 | 1.9 | 2.1 | <10 | 2.6 | <1 | 2.9 | 3.4 | 3.5 | 3.8 | 3.1 | 2.8 | <10 | 2.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Tetrachloroethene | 5 | 5.5 | 3.9 | 3.0 | 4.8 | 3.6 | 2.8 | 3.5 | 2.8 | 3.2 | <10 | 3.2 | 3.4 | 3.6 | 3.6 | 3.7 | 3.5 | 3.0 | 3.0 | <10 | 2.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Trichloroethene | 5 | 31.5 | 29 | 22.5 | 33.5 | 33.3 | 25.3 | 29 | 23.3 | 25.4 | 21.9 | 27.2 | 25.7 | 33.8 | 35.2 | 35 | 33.6 | 32 | 27.6 | 22.4 | 22 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Total Halogenated Hydrocarbons | | 339 | 330 | 332 | 357 | 325 | 260 | 245 | 165 | 195 | 167 | 199 | 205 | 271 | 261 | 248 | 248 | 221 | 208 | 162 | 176 |
| Total Concentration of VOCs | | 339 | 330 | 332 | 357 | 325 | 260 | 245 | 165 | 195 | 167 | 199 | 205 | 271 | 261 | 248 | 248 | 221 | 208 | 162 | 466≈ |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1B (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 147 | 158 | 66.1 | 121 | 73.8 | 154 | 95.2 | 155 | 130 | 165 | 83.6 | 147 | 80.1 | 119 | 76.9 | 80.2 | 109 | 17.7 | 50.2 | 86.6 | 95 |
| 1,2-Dichloroethane | 0.5 | 2.4 | <2 | <2 | <2 | <2 | 2.0 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 10.7 | 5.7 | 2.5 | 3.3 | 1.9 | 6.8 | 3.3 | 6.4 | 5.6 | 7.1 | 2.6 | 5.6 | 2.6 | 4.7 | 4.5 | 6.1 | 10.2 | 1.6 | 4.1 | 5.4 | 5.8 |
| cis-1,2-Dichloroethene | 6 | 3.5 | 2.7 | 1.3 | 2.2 | 1.3 | 2.8 | 1.4 | 3.0 | 2.7 | 3.1 | 1.7 | 3.4 | 2.1 | 3.0 | 2.4 | 3.0 | 4.2 | <1 | 2.4 | 3.5 | 3.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.4 | 2.3 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | 1.0 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 27 | 26.6 | 8.1 | 12.8 | 6.7 | 23.4 | 8.6 | 15.9 | 13.9 | 18 | 9.7 | 17 | 9.5 | 17.6 | 11 | 11.4 | 20 | 4.2 | 7.1 | 11.6 | 15.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 390 | 195 | 78 | 139 | 84 | 191 | 109 | 180 | 152 | 195 | 98 | 173 | 94 | 145 | 95 | 101 | 145 | 24 | 64 | 107 | 120 |
| Total Concentration of VOCs | | 390 | 195 | 81≈ | 142≈ | 86≈ | 191 | 109 | 180 | 153≈ | 195 | 98 | 173 | 94 | 145 | 95 | 101 | 145 | 24 | 64 | 107 | 120 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1B (Cont'd) Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 67.9 | 93.4 | 58.7 | 79.3 | 57.3 | 71.9 | 76 | 57.1 | 70.6 | 46.2 | 78.2 | 40.3 | 86 | 55.6 | 78.6 | 47.1 | 89.1 | 48 | 80.8 | 52 | 61.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.7 | 4.5 | 2.1 | 2.8 | 1.9 | 2.9 | 3.4 | 2.4 | 3.2 | 2.0 | 3.5 | 1.7 | 3.8 | 1.8 | 2.9 | 1.7 | 3.2 | 2.1 | 3.5 | 2.8 | 3.6 |
| cis-1,2-Dichloroethene | 6 | 2.6 | 3.2 | 2.4 | 2.8 | 2.5 | 2.7 | 3.8 | 2.5 | 2.6 | 1.8 | 2.4 | 1.6 | 3.4 | 2.5 | 3.1 | 2.2 | 4.2 | 2.6 | 3.6 | 2.6 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.9 | 14.4 | 7.8 | 12 | 8.5 | 11.6 | 12.7 | 8.2 | 9.5 | 5.1 | 10.8 | 4.8 | 13.1 | 8.2 | 12.3 | 8.3 | 12.1 | 7.8 | 12.4 | 7.1 | 10.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 81 | 116 | 71 | 97 | 70 | 89 | 96 | 70 | 86 | 55 | 95 | 48 | 106 | 68 | 97 | 59 | 109 | 61 | 100 | 65 | 79 |
| Total Concentration of VOCs | | 81 | 116 | 71 | 97 | 70 | 89 | 96 | 70 | 86 | 55 | 95 | 49.4≈ | 106 | 68 | 97 | 59 | 109 | 61 | 100 | 65 | 79 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-1B (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-10 | May-10 | Jun-10* | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11* | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 55.2 | 75 | 43 | 60.6 | 42.3 | 40 | 57.1 | 52.2 | 50 | 40.2 | 55.7 | 33.2 | 49 | 58.2 | 67.1 | 43.1 | 72.8 | 62.3 | 46.8 | 50.5 | 49.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | 0.52 | <2 | <2 | <2 | <2 | <2 | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.6 | 3.3 | 1.6 | 2.5 | 1.5 | <1 | 2.4 | 1.8 | 2.5 | 1.4 | 1.7 | 1.2 | 2.4 | 2.2 | 1.7 | 1.5 | 2.9 | 2.4 | 2.5 | 2.2 | 1.8 |
| cis-1,2-Dichloroethene | 6 | 2.6 | 3.3 | 2.0 | 2.6 | 2.0 | 2.6 | 2.9 | 2.4 | 3.1 | 1.7 | 2.4 | 1.5 | 2.8 | 2.7 | 2.3 | 2.1 | 3.2 | 1.9 | 2.6 | 2.2 | 1.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.8 | <1 | <1 | <1 | 0.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.9 | 9.4 | 2.7 | 9.1 | 4.6 | 3.9 | 7.5 | 6.6 | 8.9 | 3.7 | 6.6 | 3.9 | 8.2 | 7.1 | 6.9 | 4.8 | 8.7 | 7.5 | 5.4 | 6.6 | 5.8 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 66 | 91 | 50 | 75 | 50 | 47 | 70 | 63 | 66 | 47 | 66 | 40 | 63 | 70 | 78 | 52 | 88 | 74 | 57 | 62 | 59 |
| Total Concentration of VOCs | | 66 | 91 | 160≈ | 75 | 50 | 47 | 70 | 63 | 66 | 47 | 66 | 40 | 63 | 70 | 78 | 52 | 88 | 74 | 57 | 62 | 59 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-4 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-03 | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1420 | 35.2 | 28.3 | 25.6 | 21.5 | 26.1 | 22.2 | 23.6 | 29.8 | 28.3 | 31.4 | 28.1 | 30.3 | 22.2 | 19.7 | 18.9 | 19.5 | 23 | 26.9 | 30.7 |
| 1,2-Dichloroethane | 0.5 | 6.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 201 | 3.4 | 2.2 | 2.2 | 1.4 | 1.9 | 1.7 | 1.7 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 15.4 | 1.3 | 1.2 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 19.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 34.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | | | | | | | | | | | | | | <1 | <1 |
| Vinyl Chloride | 0.5 | 71.2 | 1.3 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,774 | 41 | 32 | 28 | 23 | 31 | 24 | 25 | 30 | 28 | 31 | 30 | 30 | 22 | 20 | 19 | 20 | 23 | 27 | 31 |
| Total Concentration of VOCs | | 1,774 | 41 | 32 | 28 | 23 | 31 | 24 | 25 | 30 | 28 | 31 | 30 | 30 | 22 | 20 | 19 | 20 | 23 | 27 | 31 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-4 (Cont'd) | | | | | | | | | | | | | | SB64-03-5 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sept-06* | Mar-07 | Sep-07* | Aug-09 | Sep-10* | Sep-11 | Sep-12 | Sep-03 | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 | | | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 30.2 | 36.4 | 35.1 | 36.9 | 27.6 | 30.5 | 37 | 48 | 41.7 | 66 | 58.5 | 73 | 159 | 72.1 | 6.8 | 3.2 | 13.4 | 8.1 | 7.0 | 9.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 2.1 | 1.7 | 2.1 | <1 | 3.5 | 2.1 | 1.5 | 3.5 | 1.5 | 2.6 | 3.6 | 2.6 | 8.4 | 3.6 | 16.1 | 11.8 | 8.2 | 10.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | 2.0 | 2.8 | 4.1 | 3.5 | 3.3 | 4.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | 3.5 | 3.2 | 2.2 | 2.3 | 3.0 | 3.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | 24.1 | 86.3 | 29.2 | 32.1 | 71.3 | 68 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 30 | 36 | 37 | 39 | 30 | 31 | 41 | 52 | 43 | 70 | 60 | 76 | 163 | 75 | 45 | 99 | 65 | 58 | 93 | 96 |
| Total Concentration of VOCs | | 30 | 36 | 37 | 39 | 30 | 31 | 41 | 172≈ | 43 | 300≈ | 60 | 206≈ | 163 | 75 | 45 | 99 | 65 | 58 | 93 | 96 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-5 (Cont'd) Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 8.4 | 11.9 | 15.3 | 8.0 | 7.4 | 7.0 | 8.7 | 12.3 | 11.4 | 11.7 | 11 | 16.8 | 8.0 | 5.4 | 4.5 | 4.6 | 4.8 | 2.5 | 2.6 | 3.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 9.0 | 17.1 | 23.9 | 10.4 | 6.3 | 8.2 | 6.9 | 17 | 17.6 | 17.6 | 16.7 | 28.5 | 10.2 | 6.1 | 4.8 | 5.5 | 6.2 | 3.0 | 2.7 | 4.5 |
| cis-1,2-Dichloroethene | 6 | 3.2 | 4.5 | 4.8 | 3.7 | 3.4 | 3.6 | 2.9 | 4.6 | 4.0 | 4.4 | 4.1 | 5.9 | 3.7 | 4.0 | 2.9 | 2.7 | 2.3 | <1 | 1.3 | 2.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.8 | 8.4 | 10.7 | 6.6 | 4.8 | 5.8 | 3.4 | 7.1 | 6.8 | 7.0 | 6.8 | 11.9 | 5.4 | 5.2 | 4.5 | 3.9 | 4.3 | 4.0 | 3.5 | 3.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 48.4 | 74.4 | 55 | 80.7 | 72.6 | 84 | 58.1 | 68.2 | 55.5 | 68.3 | 57.1 | 72.5 | 69 | 90.7 | 79.3 | 42 | 31.4 | 20.4 | 15.1 | 21.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 73 | 116 | 110 | 109 | 95 | 109 | 80 | 109 | 95 | 109 | 96 | 136 | 96 | 111 | 96 | 59 | 49 | 30 | 25 | 35 |
| Total Concentration of VOCs | | 73 | 116 | 110 | 109 | 95 | 109 | 80 | 109 | 95 | 109 | 96 | 136 | 96 | 111 | 96 | 59 | 49 | 30 | 25 | 35 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-5 (Cont'd) Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5.0 | 4.3 | 3.9 | 3.6 | 2.9 | 3.7 | 4.7 | 4.9 | 5.2 | 4.3 | 4.0 | 3.3 | 3.7 | 3.2 | 3.4 | 3.4 | 4.2 | 4.1 | 4.7 | 4.2 | 4.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6.0 | 4.8 | 4.1 | 3.8 | 5.0 | 4.4 | 6.7 | 6.7 | 6.6 | 5.1 | 4.9 | 4.3 | 5.1 | 4.4 | 4.3 | 4.1 | 5.6 | 5.5 | 6.3 | 5.9 | 5.4 |
| cis-1,2-Dichloroethene | 6.0 | 2.7 | 3.3 | 3.7 | 3.0 | 3.5 | 3.4 | 3.8 | 3.6 | 3.3 | 2.7 | 2.7 | 2.8 | 2.4 | 2.7 | 2.6 | 3.1 | 3.4 | 3.6 | 3.1 | 3.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.8 | 4.5 | 4.2 | 4.2 | 4.4 | 5.2 | 5.9 | 7.2 | 7.0 | 5.9 | 5.8 | 5.4 | 4.4 | 4.7 | 4.2 | 4.5 | 5.5 | 5.4 | 6.4 | 6.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 28.6 | 47.9 | 39 | 39.6 | 33.9 | 34.6 | 37.9 | 34.9 | 32.4 | 30.8 | 34.4 | 34.4 | 28.7 | 26.1 | 29.5 | 30.5 | 47.7 | 43 | 29.2 | 41.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 44 | 64 | 54 | 55 | 50 | 55 | 59 | 58 | 52 | 48 | 51 | 51 | 43 | 41 | 44 | 48 | 66 | 63 | 49 | 61 |
| Total Concentration of VOCs | | 44 | 64 | 54 | 55 | 50 | 55 | 59 | 58 | 52 | 48 | 51 | 51 | 43 | 41 | 44 | 48 | 66 | 63 | 49 | 61 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-5 (Cont'd) Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | May-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 3.3 | 2.9 | 2.5 | 2.4 | 2.6 | 1.6 | 1.0 | 1.8 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.7 | 3.3 | 3.5 | 2.8 | 3.3 | 1.2 | 1.7 | 2.7 | <1 | <1 | 1.9 | <1 | <1 | 2.0 | <1 | <1 | 1.4 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.8 | 2.5 | 3.3 | 2.7 | 3.3 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | 2.3 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.2 | 5.2 | 5.8 | 5.4 | 5.6 | 2.0 | 3.1 | 5.6 | 2.5 | 1.3 | 2.2 | <1 | <1 | 1.8 | 2.4 | 1.3 | 1.8 | 1.2 | 1.0 | 1.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 32.2 | 22.7 | 65.8 | 52.1 | 66.7 | 9.2 | 17.9 | 61.4 | 16.5 | 2.1 | 11.2 | 6.4 | 4.0 | 47.2 | 6.6 | 6.6 | 6.8 | 7.0 | 3.3 | 6.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 48 | 37 | 81 | 65 | 82 | 14 | 24 | 74 | 19 | 3.4 | 15 | 6.4 | 4.0 | 55 | 9.0 | 7.9 | 10 | 8.2 | 4.3 | 7.9 |
| Total Concentration of VOCs | | 48 | 37 | 81 | 65 | 82 | 14 | 24 | 74 | 19 | 3.4 | 15 | 6.4 | 4.0 | 55 | 9.0 | 7.9 | 10 | 8.2 | 4.3 | 7.9 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-5 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Oct-10* | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.2 | 1.0 | <1 | 1.1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | 0.51 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.0 | 7.1 | 1.9 | 5.4 | 3.1 | 3.3 | 2.5 | 2.7 | 1.5 | 3.6 | <1 | 12.5 | 2.0 | 1.6 | 2.8 | 1.4 | 1.2 | 1.3 | 2.1 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.0 | 9.6 | 2.9 | 5.4 | 4.2 | 3.3 | 2.5 | 2.7 | 1.5 | 4.8 | | 13 | 2.0 | 2.1 | 2.8 | 1.4 | 1.2 | 1.3 | 2.1 | 1.4 |
| Total Concentration of VOCs | | 6.0 | 9.6 | 2.9 | 5.4 | 4.2 | 3.3 | 2.5 | 2.7 | 1.5 | 4.8 | | 13 | 2.0 | 2.1 | 2.8 | 1.4 | 1.2 | 1.3 | 2.1 | 1.4 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-5 (Cont'd) | | | | | | | | | SB64-03-6 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-11* | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Sep-03 | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 2.0 | 1.9 | 3.7 | 4.0 | 2.8 | 4.6 | 3.8 | 4.0 | 3.0 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.0 | 2.3 | 6.3 | 5.0 | 9.5 | 10.4 | 5.5 | 12.6 | 10.1 | 7.2 | 7.6 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 12 | 17.8 | 20.7 | 16.6 | 16.9 | 18.8 | 13.1 | 17.9 | 14.7 | 14.2 | 13.2 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 4.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 0.64 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.7 | 3.0 | 6.3 | 5.1 | 12.6 | 10.3 | 7.1 | 14.3 | 10.2 | 8.7 | 8.1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 2.0 | 2.1 | 2.8 | 8.2 | 2.8 | 1.9 | 1.6 | 1.6 | 103 | 107 | 172 | 159 | 298 | 284 | 160 | 252 | 232 | 150 | 146 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.5 | 2.0 | 2.1 | 2.8 | 8.2 | 2.8 | 1.9 | 1.6 | 1.6 | 122 | 131 | 207 | 188 | 341 | 328 | 189 | 301 | 271 | 184 | 178 |
| Total Concentration of VOCs | | 7.5 | 2.0 | 2.1 | 2.8 | 8.2 | 2.8 | 1.9 | 1.6 | 1.6 | 122 | 131 | 207 | 188 | 341 | 328 | 189 | 301 | 271 | 184 | 178 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-6 (Cont'd) Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1.4 | 2.1 | 3.4 | 2.5 | 2.6 | 2.0 | 2.8 | 2.2 | 1.9 | 1.6 | 1.6 | 2.8 | 3.5 | 1.7 | 2.2 | 2.6 | 2.6 | 2.0 | 1.7 | 1.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.4 | 4.3 | 11.2 | 7.5 | 8.8 | 6.2 | 8.9 | 6.7 | 5.7 | 4.4 | 4.5 | 8.7 | 9.7 | 5.3 | 7.4 | 8.2 | 3.8 | 5.2 | 4.5 | 3.5 |
| cis-1,2-Dichloroethene | 6 | 12.9 | 17.6 | 16.4 | 13.8 | 12.4 | 9.8 | 12.7 | 11.4 | 10.9 | 11.2 | 14.4 | 22.7 | 24.9 | 14.2 | 18.6 | 17.3 | 14.7 | 13.5 | 10.2 | 10.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.9 | 4.8 | 15.7 | 10.9 | 11.2 | 8.6 | 11.8 | 8.4 | 7.7 | 6.0 | 7.0 | 8.7 | 9.6 | 7.6 | 9.3 | 11.2 | 13.4 | 10 | 8.8 | 8.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 92.7 | 130 | 238 | 150 | 178 | 137 | 190 | 147 | 143 | 117 | 156 | 250 | 268 | 150 | 200 | 216 | 193 | 168 | 148 | 156 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 114 | 159 | 285 | 185 | 213 | 164 | 226 | 176 | 169 | 140 | 184 | 293 | 316 | 179 | 238 | 255 | 228 | 199 | 173 | 180 |
| Total Concentration of VOCs | | 114 | 159 | 285 | 185 | 213 | 164 | 226 | 176 | 169 | 140 | 184 | 293 | 316 | 179 | 238 | 255 | 228 | 199 | 173 | 180 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-6 (Cont'd) Jul-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 2.2 | 2.2 | <10 | 2.3 | 2.1 | 1.9 | 2.1 | 2.1 | 2.4 | 1.7 | 1.6 | 1.5 | 1.9 | 1.3 | 1.2 | 1.5 | 2.1 | 1.2 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.5 | 2.3 | <10 | 4.8 | 5.0 | 4.7 | 4.6 | 4.8 | 4.7 | 3.7 | 4.0 | 3.7 | 4.1 | 2.8 | 3.9 | 2.6 | 4.0 | 2.7 | 1.9 | 1.6 |
| cis-1,2-Dichloroethene | 6 | 12.4 | 14.7 | 15.3 | 16.7 | 17.4 | 13.6 | 14.4 | 14.6 | 19.7 | 13.2 | 10.4 | 8.8 | 11.7 | 9.0 | 8.5 | 10.4 | 15 | 6.4 | 3.9 | 1.7 |
| trans-1,2-Dichloroethene | 10 | 1.1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 9.6 | 8.8 | <10 | 10 | 9.7 | 10.7 | 9.8 | 10.1 | 8.3 | 8.8 | 8.3 | 8.7 | 7.1 | 7.3 | 7.1 | 8.5 | 8.1 | 9.1 | 7.6 | 7.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 166 | 175 | 165 | 100 | 160 | 177 | 166 | 171 | 176 | 156 | 145 | 147 | 139 | 132 | 121 | 148 | 155 | 120 | 88.7 | 56.9 |
| Freon-113 | 1200 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 193 | 203 | 180 | 134 | 194 | 208 | 197 | 203 | 212 | 183 | 169 | 170 | 164 | 152 | 142 | 171 | 184 | 139 | 102 | 67 |
| Total Concentration of VOCs | | 193 | 203 | 180 | 134 | 194 | 208 | 197 | 203 | 212 | 183 | 169 | 170 | 164 | 152 | 142 | 171 | 184 | 139 | 102 | 67 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-6 (Cont'd) Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.1 | 1.5 | 2.2 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.6 | 1.7 | 1.6 | 2.8 | 3.4 | 3.4 | 2.4 | 2.7 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | 1.2 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 5.7 | 6.5 | 10 | 14.5 | 14.9 | 8.8 | 12.8 | 9.9 | 6.5 | 11.2 | 4.2 | 6.3 | 4.6 | 10.4 | 7.9 | 10.8 | 5.8 | 13.5 | 2.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.2 | 4.5 | 6.9 | 7.2 | 6.3 | 6.1 | 5.0 | 4.2 | 3.2 | 2.1 | 2.4 | 3.0 | 1.8 | 2.9 | 1.4 | 1.5 | 1.3 | 1.9 | <1 | 3.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 69 | 68.4 | 91.8 | 110 | 117 | 114 | 78.2 | 76.8 | 58.4 | 40.6 | 45.7 | 29.4 | 29.5 | 31.9 | 35.9 | 29.9 | 34.4 | 28.7 | 32.1 | 27.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 80 | 80 | 108 | 132 | 143 | 141 | 94 | 97 | 73 | 49 | 59 | 37 | 38 | 39 | 48 | 39 | 48 | 36 | 47 | 33 |
| Total Concentration of VOCs | | 80 | 80 | 108 | 132 | 143 | 141 | 94 | 97 | 73 | 49 | 59 | 37 | 38 | 39 | 48 | 39 | 48 | 36 | 47 | 33 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-6 (Cont'd) Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10* | Jul-10 | Aug-10 | Oct-10* | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 0.93 | <1 | <1 | 0.9 | 1.2 | <1 | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.1 | <1 | 11.6 | 2.9 | 9.3 | 2.8 | 15.3 | 9.0 | 10.8 | 9.8 | 11 | 16.9 | 2.4 | 7.1 | 3.6 | 9.2 | 2.2 | 7.4 | 17.7 | 15.4 | 16.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.7 | 1.6 | <1 | <1 | 1.2 | <1 | 1.1 | 1.1 | <1 | 0.87 | <1 | 1.0 | 0.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 28.7 | 11.3 | 29.6 | 13.1 | 22.2 | 12.2 | 25 | 21 | 25.1 | 18.3 | 23 | 23.6 | 9.7 | 15 | 8.5 | 13.5 | 6.9 | 14.8 | 20.9 | 19.1 | 20 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 42 | 13 | 43 | 16 | 32 | 16 | 42 | 32 | 37 | 28 | 36 | 42 | 13 | 23 | 12 | 23 | 9.1 | 22 | 39 | 35 | 37 |
| Total Concentration of VOCs | | 42 | 13 | 43 | 16 | 32 | 16 | 42 | 32 | 37 | 28 | 36 | 42 | 13 | 23 | 12 | 23 | 9.1 | 22 | 39 | 35 | 37 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-6 (Cont'd) | | | | | SB64-03-7 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04* | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 20.1 | 9.1 | 12.1 | 12.6 | 11.4 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 20.9 | 17.5 | 15.8 | 16.6 | 14.7 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 41 | 27 | 28 | 29 | 26 | | | 4.5 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 41 | 27 | 28 | 29 | 26 | | | 4.5 | | | | | | | | | | | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-7 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-05 | Apr-05 | May-05* | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sep-06 | Mar-07 | Sep-07* | Feb-08 | Sep-08 | Sep-09 | Sep-10* | Sep-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | | | | | |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 0.58 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 2.7 | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | 2.7 | | | | | | | | | | | | | | | | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-8 Jan-04 | Jan-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | May-04* | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 268 | 442 | 324 | 264 | 135 | 105 | 80 | 52.8 | 41 | 40.9 | 39.9 | 47 | 39.6 | 6.0 | 1.8 | <1 | <1 | <1 | 3.8 | 6.8 |
| 1,2-Dichloroethane | 0.5 | 8.7 | 9.0 | 6.2 | 6.4 | 3.5 | 2.5 | 2.9 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 34.3 | 91.1 | 61.2 | 67.1 | 34.2 | 30.1 | 31 | 21.9 | 18.8 | 23.1 | 17.2 | 16 | 20 | 3.0 | <1 | <1 | <1 | <1 | <1 | 4.1 |
| cis-1,2-Dichloroethene | 6 | 1.5 | 2.1 | <1 | 1.1 | <1 | <1 | 0.67 | <1 | <1 | 2.0 | 5.6 | 3.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 37.1 | 85.7 | 52.8 | 66.8 | 40.6 | 40.8 | 38 | 29.6 | 25.8 | 22.7 | 16.8 | 17.7 | 21.3 | 5.1 | 1.9 | 1.4 | <1 | <1 | 2.8 | 4.7 |
| 1,1,1-Trichloroethane | 200 | 2.7 | 5.6 | 3.8 | 4.3 | 1.7 | 1.5 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | 2.1 | 2.2 | 1.4 | 1.4 | <1 | <1 | 0.64 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 59.6 | 116 | 73.7 | 78.3 | 46.9 | 43.5 | 44 | 32.2 | 22.5 | 21.3 | 18.6 | 19.7 | 21.3 | 4.2 | 1.2 | <1 | <1 | <1 | 1.8 | 3.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 414 | 754 | 523 | 489 | 262 | 223 | 198 | 137 | 108 | 110 | 98 | 104 | 102 | 18 | 4.9 | 1.4 | | | 8.4 | 19 |
| Total Concentration of VOCs | | 414 | 754 | 523 | 489 | 262 | 223 | 198 | 137 | 108 | 110 | 98 | 104 | 102 | 18 | 4.9 | 1.4 | | | 8.4 | 19 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-03-8 (Cont'd) Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | May-06 | Sep-06 | Oct-06 | Mar-07 | May-07 | Sep-07* | Feb-08 | Sep-08 | Feb-09 | Sep-09 | Mar-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 10.2 | 13.6 | 17.5 | 12.2 | 2.0 | 1.2 | 2.2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.92 | 1.4 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 5.3 | 8.5 | 9.4 | 9.3 | 2.9 | <1 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 5.3 | 7.0 | 7.9 | 8.7 | 3.1 | 1.4 | 1.4 | <1 | 0.57 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.4 | 8.4 | 10.2 | 9.0 | 2.1 | 1.2 | 1.3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.88 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 26 | 38 | 45 | 39 | 10 | 3.8 | 6.7 | | 0.6 | | | | | | 4.0 | 1.4 | | | | |
| Total Concentration of VOCs | | 26 | 38 | 45 | 39 | 10 | 3.8 | 6.7 | | 0.6 | | | | | | 4.0 | 1.4 | | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-8 (Cont'd) | | | | | SB64-03-12 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12 | Jan-04 | Feb-04 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sept-06* | Mar-07 | Sep-07* | Feb-08 | Sep-08 | Aug-09 | Sep-10* | Sep-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 | | <5 | | | | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | 1.0 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | 3.8 | 3.2 | 2.5 | 3.0 | 3.8 | 3.7 | 4.4 | 3.0 | 3.3 | 3.4 | 3.0 | 2.7 | 2.6 | 3.1 | 2.5 | 2.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.61 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 1.1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | 3.7 | 4.2 | 4.4 | <1 | 2.0 | 2.0 | 3.1 | 2.2 | 2.4 | 2.2 | 2.6 | 2.7 | 2.5 | 3.3 | 2.3 | 2.2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | 11 | 7.4 | 6.9 | 3.0 | 5.8 | 5.7 | 8.3 | 5.2 | 5.7 | 5.6 | 5.6 | 5.4 | 5.1 | 9.1 | 4.8 | 4.7 |
| Total Concentration of VOCs | | | | | | | 11 | 7.4 | 6.9 | 3.0 | 5.8 | 5.7 | 8.3 | 5.2 | 5.7 | 5.6 | 5.6 | 5.4 | 5.1 | 9.1 | 4.8 | 4.7 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-03-13 | | | | | | | | | | | | | | | | SB64-05-4 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-04 | Feb-04 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sept-06* | Mar-07 | Sep-07* | Feb-08 | Sep-08 | Aug-09 | Sep-10* | Sep-11 | Sep-12 | Jul-05 | Oct-05 | Oct-05 | Oct-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 | | <5 | | | | | | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 20 | 28.3 | 43 | 23 | 20.4 | 9.0 | 8.0 | 6.8 | 6.1 | 6.6 | 7.2 | 13 | 6.5 | 12 | 7.2 | 8.0 | 10 | 4.9 | 3.9 | 2.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 6.2 | 11.2 | 18.8 | 7.8 | 9.1 | 3.0 | 1.5 | 1.3 | <1 | 1.2 | 1.1 | 5.1 | <1 | 4.2 | 2.0 | 2.2 | 20 | 11.2 | 8.9 | 5.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 27.6 | 21.8 | 16.2 | 12.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.3 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.4 | 16.7 | 24.5 | 10 | 11.2 | 3.9 | 2.0 | 1.3 | 1.2 | 1.4 | <1 | 6.5 | <1 | 5.0 | 1.5 | 2.1 | 41.9 | 19.9 | 15.3 | 7.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | | | | | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 37 | 56 | 86 | 41 | 41 | 16 | 12 | 9.4 | 7.3 | 9.2 | 8.3 | 25 | 6.5 | 21 | 11 | 12 | 101 | 58 | 44 | 28 |
| Total Concentration of VOCs | | 37 | 56 | 86 | 41 | 41 | 16 | 12 | 9.4 | 7.3 | 9.2 | 8.3 | 25 | 6.5 | 21 | 11 | 12 | 101 | 58 | 44 | 28 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-05-4 (Cont'd) Oct-05 | Nov-05 | Nov-05 | Nov-05 | Nov-05 | Nov-05 | Dec-05 | Dec-05* | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 1.9 | 2.3 | 2.2 | 2.5 | 2.3 | 2.3 | 2.4 | 2.0 | 1.5 | 1.6 | 1.2 | 1.5 | 1.5 | 1.5 | 1.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 6.6 | 5.7 | 5.4 | 6.0 | 5.0 | 4.8 | 5.5 | 4.6 | 4.2 | 3.4 | 3.2 | 2.5 | <1 | 2.0 | 2.1 | 1.6 | <1 | 1.6 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 13.2 | 13.4 | 9.7 | 10 | 9.0 | 9.1 | 9.4 | 10 | 6.8 | 6.3 | 5.4 | 5.0 | 4.5 | 3.1 | 3.3 | 3.0 | 3.0 | 3.7 | 3.4 | 3.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 9.3 | 9.4 | 8.6 | 8.7 | 8.1 | 9.8 | 10.5 | 9.5 | 6.0 | 5.8 | 5.5 | 3.5 | 4.7 | 2.8 | 3.3 | 3.3 | 3.1 | 3.1 | 3.2 | 2.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 32 | 31 | 26 | 27 | 24 | 26 | 28 | 26 | 20 | 18 | 16 | 13 | 11 | 9.4 | 10 | 9.1 | 7.6 | 9.9 | 8.1 | 7.0 |
| Total Concentration of VOCs | | 32 | 31 | 26 | 27 | 24 | 26 | 28 | 26 | 20 | 18 | 16 | 13 | 11 | 9.4 | 10 | 9.1 | 7.6 | 9.9 | 8.1 | 7.0 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-05-4 (Cont'd) Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 0.98 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | 1.1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.1 | <1 | <1 | 1.1 | <1 |
| cis-1,2-Dichloroethene | 6 | 0.51 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.2 | 2.4 | 1.9 | 1.8 | 2.3 | 1.9 | 2.4 | 2.5 | 2.2 | 2.2 | 1.6 | 1.7 | 1.6 | 2.5 | 2.5 | 2.3 | 2.1 | 1.7 | 1.7 | 2.1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 2.1 | 1.6 | 1.3 | 2.0 | 2.2 | 2.5 | 3.0 | 1.7 | 1.9 | 1.2 | <1 | <1 | 1.8 | 2.3 | 2.4 | 1.0 | 1.5 | 2.1 | 2.2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.1 | 4.5 | 3.5 | 3.1 | 5.4 | 4.1 | 4.9 | 7.9 | 3.9 | 4.1 | 2.8 | 1.7 | 1.6 | 5.6 | 4.8 | 5.8 | 3.1 | 4.4 | 4.9 | 4.3 |
| Total Concentration of VOCs | | 7.1 | 4.5 | 3.5 | 3.1 | 5.4 | 4.1 | 4.9 | 7.9 | 3.9 | 4.1 | 2.8 | 1.7 | 1.6 | 5.6 | 4.8 | 5.8 | 3.1 | 4.4 | 4.9 | 4.3 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-05-4 (Cont'd) May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.9 | 1.9 | 1.5 | 1.8 | <1 | 1.6 | <1 | 1.9 | 1.2 | 1.5 | 1.2 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.8 | <1 | 2.1 | 2.2 | <1 | 1.8 | 2.4 | 2.3 | 1.8 | 2.0 | 1.7 | 1.1 | 1.1 | 1.4 | 1.1 | 1.2 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 4.8 | 1.9 | 3.6 | 4.0 | | 3.4 | 2.4 | 4.2 | 3.0 | 3.5 | 2.9 | 1.1 | 1.1 | 1.4 | 1.1 | 2.6 | | | |
| Total Concentration of VOCs | | | 4.8 | 1.9 | 3.6 | 4.0 | | 3.4 | 2.4 | 4.2 | 3.0 | 3.5 | 2.9 | 1.1 | 1.1 | 1.4 | 1.1 | 2.6 | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-05-4 (Cont'd) Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10* | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.67 | 0.86 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | 0.72 | 0.81 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 1.0 | | | | | 1.4 | 1.7 | | | | | | | | | | | |
| Total Concentration of VOCs | | | | 1.0 | | | | | 1.4 | 1.7 | | | | | | | | | | | |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB64-05-4 (Cont'd) | | | | SB71B-99-1 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-12 | May-12 | Jul-12 | Sep-12 | May-99 | May-01 | Sep-01 | Mar-02 | Sep-02 | Sep-03 | Sep-04 | Sep-05 | Aug-06* | Sep-07* | Sep-08 | Aug-09 | Sep-10* | Sep-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <4 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 8.6 | 21.9 | 11.4 | 9.3 | 14.9 | 25 | 22.1 | 5.7 | 5.4 | 14 | 12.2 | 18.9 | 3.0 | 1.8 | 7.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | 9.1 | 1.5 | <1 | 29.5 | 14.5 | <1 | 2.1 | <1 | 0.68 | <0.5 | <1 | 1.5 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | 16.1 | 6.9 | 3.8 | 25.5 | 41.8 | 13.6 | 17.4 | 1.7 | 0.73 | 3.1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.3 | <1 | 3.0 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 34 | 30 | 15 | 64 | 71 | 39 | 42 | 7.4 | 6.8 | 18 | 12 | 23 | 3.0 | 1.8 | 7.3 |
| Total Concentration of VOCs | | | | | | 34 | 30 | 15 | 64 | 71 | 39 | 42 | 7.4 | 8.4≈ | 18 | 12 | 23 | 3.0 | 1.8 | 7.3 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03* | Jun-03* | Jul-03* | Jul-03* | Jul-03* | Jul-03 | Jul-03 | Jul-03 | Aug-03* | Oct-03 | Oct-03 | Oct-03 | Oct-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <30 | <30 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <50 | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <300 | <300 | <30 | <30 | <30 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <30 | <30 | <3 | <3 | <3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.2 | 7.2 | 15.5 | 19.9 | 11.1 | 8.4 | 8.0 | 8.1 | 12 | 9.1 | 10 | 7.0 | 11.9 | 8.2 | 8.6 | 8.0 | 28.9 | 10.9 | 12.1 | 9.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 307 | 38.2 | 92.3 | 106 | 124 | 157 | 145 | 140 | 94 | 93 | 110 | 110 | 120 | 95.5 | 106 | 92 | 61.1 | 50.3 | 54.2 | 54.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.3 | 7.2 | 15.5 | 17.3 | 14.9 | 14.5 | 13.7 | 16 | 17 | 14 | 17 | 14 | 15.5 | 12.5 | 14.5 | 14 | 18.4 | 12.4 | 11.6 | 10.1 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | | | | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 338 | 53 | 123 | 143 | 150 | 180 | 167 | 164 | 123 | 116 | 137 | 131 | 147 | 116 | 129 | 114 | 108 | 74 | 78 | 74 |
| Total Concentration of VOCs | | 338 | 53 | 123 | 143 | 150 | 180 | 167 | 165≈ | 123 | 116 | 138≈ | 131 | 147 | 116 | 129 | 114 | 108 | 74 | 78 | 74 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Nov-03 | Nov-03 | Nov-03 | Nov-03 | Nov-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Feb-04 | Feb-04 | Mar-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <30 | <30 | <30 | <30 | <30 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <50 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <300 | <300 | <300 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <30 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | 8.1 | 6.8 | 15.9 | 33 | 21.2 | 17.7 | 19.4 | 26.7 | 24.2 | 26.7 | 10 | 62.9 | 56.3 | 57.5 | 72.8 | 87.4 | 36.7 | 99.7 | 52.4 | 99.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 52.5 | 52.2 | 54.8 | 54.9 | 56.3 | 65.8 | 72.4 | 70 | 83 | 74.8 | 87 | 1690 | 1610 | 1740 | 1550 | 1350 | 912 | 990 | 787 | 824 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Trichloroethene | 5 | 9.5 | 8.9 | 9.9 | 14.8 | 14.5 | 13 | 17.4 | 20.5 | 23.6 | 22.4 | 15 | 113 | 90 | 79.7 | 96.4 | 111 | 60.7 | 98.1 | 76.2 | 150 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | 13.1 |
| Total Halogenated Hydrocarbons | | 70 | 68 | 81 | 103 | 92 | 97 | 109 | 117 | 131 | 124 | 112 | 1,866 | 1,756 | 1,877 | 1,719 | 1,548 | 1,009 | 1,188 | 916 | 1,087 |
| Total Concentration of VOCs | | 70 | 68 | 81 | 103 | 92 | 97 | 109 | 117 | 131 | 124 | 112 | 1,866 | 1,756 | 1,877 | 1,719 | 1,548 | 1,009 | 1,188 | 916 | 1,087 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-04 | Mar-04 | Mar-04 | Mar-04 | Apr-04 | Apr-04 | Apr-04 | Apr-04 | May-04 | May-04 | May-04 | May-04* | Jun-04 | Jun-04 | Jun-04 | Jun-04 | Jul-04 | Jul-04 | Jul-04 | Jul-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Naphthalene | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Bromomethane | 80 | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroethane | | <30 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <0.5 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 |
| Chloroform | 80 | <3 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloromethane | | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | 78.9 | 46.5 | 33.2 | 37.2 | 32.9 | 15.5 | 24.8 | 24.5 | 66.3 | 54.3 | 56.1 | 41 | 120 | 35 | 26.6 | 49.6 | 139 | 25.3 | 22.6 | 33.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 0.85 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 899 | 947 | 759 | 688 | 641 | 473 | 460 | 399 | 458 | 236 | 416 | 410 | 287 | 330 | 482 | 393 | 269 | 223 | 185 | 211 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | 5 | 139 | 71.1 | 62.4 | 66.7 | 53.8 | 29.4 | 34.1 | 33.4 | 179 | 36.4 | 135 | 81 | 33.7 | 39.3 | 50.1 | 40.3 | 35.3 | 28.5 | 25.7 | 36.6 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Freon-123A | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 8.3 | 2.0 | <10 | <10 | <10 | <10 | <10 | <10 | 9.0 | <10 | <10 | 3.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 1,125 | 1,067 | 855 | 792 | 728 | 518 | 519 | 457 | 712 | 327 | 607 | 536 | 441 | 404 | 559 | 483 | 443 | 277 | 233 | 281 |
| Total Concentration of VOCs | | 1,125 | 1,067 | 855 | 792 | 728 | 518 | 519 | 457 | 712 | 327 | 607 | 538≈ | 441 | 404 | 559 | 483 | 443 | 277 | 233 | 281 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-04 | Aug-04 | Aug-04 | Aug-04 | Aug-04 | Aug-04 | Sep-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Jun-05 | Jul-05 | Jul-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 36.4 | 81.7 | 33.8 | 30.6 | 41.5 | 37.5 | 19.8 | <10 | 139 | <10 | 6.7 | 9.4 | 59.1 | 55.2 | 50.3 | 52.7 | 75.4 | 50.5 | 50.6 | 36.8 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 271 | 286 | 169 | 211 | 164 | 158 | 192 | 165 | 115 | 56.2 | 41.4 | 67.3 | 18.4 | 4.7 | 9.3 | 9.5 | 10.3 | 8.3 | 6.8 | 6.5 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 39.7 | 38.6 | 38.7 | 37.4 | 25.3 | 23.8 | 23.2 | 26 | <10 | <10 | 9.1 | 20.6 | 1.7 | <1 | <1 | <1 | <1 | <1 | 1.6 | 1.7 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | 4.8 | 2.6 | 3.4 | 12.3 | 10.5 | 13.7 | 11.7 |
| Total Halogenated Hydrocarbons | | 347 | 406 | 242 | 279 | 231 | 219 | 235 | 191 | 254 | 56 | 57 | 97 | 79 | 65 | 62 | 66 | 98 | 69 | 73 | 57 |
| Total Concentration of VOCs | | 347 | 406 | 242 | 279 | 231 | 219 | 235 | 191 | 254 | 56 | 57 | 97 | 79 | 65 | 62 | 66 | 98 | 69 | 73 | 57 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-05 | Aug-05 | Sep-05* | Sep-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 | Dec-05 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Feb-06 | Mar-06* | Mar-06 | Apr-06 | Apr-06 | May-06 | May-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 37.4 | 22.2 | 7.3 | 4.4 | 6.3 | <1 | 2.7 | 5.0 | 5.0 | 3.9 | 16.9 | 19.9 | 19.8 | 22.5 | 9.0 | 7.2 | 3.7 | 3.9 | 3.5 | 5.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | 0.66 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.51 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 11.2 | 8.7 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.8 | <1 | <1 | <1 | <1 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 14.6 | 8.9 | 5.7 | 4.1 | 5.3 | <1 | <1 | <1 | 1.7 | 2.5 | 9.5 | 12.6 | 10.8 | 14.7 | 7.4 | 5.0 | 3.7 | 5.0 | 3.5 | 3.9 |
| Total Halogenated Hydrocarbons | | 63 | 40 | 14 | 8.5 | 12 | | 2.7 | 5.0 | 6.7 | 6.4 | 26 | 33 | 31 | 37 | 18 | 12 | 7.4 | 8.9 | 7.0 | 11 |
| Total Concentration of VOCs | | 63 | 40 | 14 | 8.5 | 12 | | 2.7 | 5.0 | 6.7 | 6.4 | 26 | 33 | 31 | 37 | 18 | 12 | 7.4 | 8.9 | 7.0 | 11 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 2.7 | 3.1 | 9.5 | 9.8 | 7.2 | 4.2 | <1 | 2.0 | <1 | 1.4 | 1.3 | 1.3 | 6.0 | 7.7 | 1.8 | 3.4 | <1 | 3.9 | 20.7 | 17 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 9.7 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | 2.1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.5 | 0.52 | <1 | <1 | <1 | 5.1 | 14 | 7.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | 2.9 | 3.9 | 7.8 | 5.4 | 4.1 | 3.5 | <1 | 2.1 | <1 | 1.1 | 1.3 | <1 | 1.4 | 5.0 | 1.2 | 3.4 | <1 | 1.0 | 10.6 | 6.1 |
| Total Halogenated Hydrocarbons | | 5.6 | 7.0 | 17 | 15 | 13 | 7.7 | | 4.1 | | 2.5 | 2.6 | 1.3 | 9.9 | 13 | 3.0 | 6.8 | | 20 | 45 | 31 |
| Total Concentration of VOCs | | 5.6 | 7.0 | 17 | 15 | 13 | 7.7 | | 4.1 | | 2.5 | 2.6 | 1.3 | 9.9 | 13 | 3.0 | 6.8 | | 20 | 45 | 31 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Feb-09 | Mar-09 | Apr-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 10 | 6.6 | 44.8 | 50.6 | 132 | 86.4 | 22.9 | 29.4 | 10.7 | <1 | 24 | 22 | 32.5 | 46.8 | 16 | 8.2 | 100 | 106 | 258 | 138 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <21 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.77 | <1 | 2.2 | 1.9 | 2.7 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | 4.2 | <1 | <0.5 | <1 | 19.5 | 45.2 | 43 | 15.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.1 | <1 | 6.5 | 16.8 | 52 | 38.4 | 21.6 | 18.5 | 5.5 | <1 | 4.8 | <1 | <1 | <1 | <0.5 | <1 | 30.5 | 48.7 | 88.5 | 30.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 5.2 | 2.3 | 17 | 11.3 | 35.6 | 11.6 | 5.1 | 5.3 | 2.0 | <1 | 3.5 | 2.6 | 4.4 | 3.5 | 7.0 | 2.5 | 39.5 | 39.9 | 102 | 33.4 |
| Total Halogenated Hydrocarbons | | 16 | 8.9 | 68 | 79 | 222 | 136 | 50 | 53 | 18 | | 33 | 25 | 41 | 50 | 24 | 11 | 192 | 242 | 494 | 217 |
| Total Concentration of VOCs | | 16 | 8.9 | 68 | 79 | 222 | 136 | 50 | 53 | 18 | | 33 | 25 | 41 | 50 | 24 | 11 | 192 | 242 | 494 | 217 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-1 (Cont'd) May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <1 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <1 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 29.5 | 75.6 | 12.5 | 18 | 22.5 | 201 | 21.4 | 93.8 | 243 | 138 | 53.5 | 32.4 | 36.6 | 35.1 | 35 | 25.7 | 14.2 | 47 | 82 | 23.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | 1.6 | 2.1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 4.2 | <1 | <1 | <1 | <1 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.51 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 6.8 | 7.7 | 2.3 | <1 | 1.4 | 15.4 | <1 | 1.8 | <1 | 5.8 | 2.5 | <1 | <1 | <1 | 0.5 | <1 | <1 | 8.5 | 5.0 | 2.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 8.0 | 14.5 | 1.5 | 1.9 | 2.4 | 38.5 | 4.5 | 18.1 | 74.6 | 19.4 | 5.7 | 7.4 | 6.6 | 4.4 | 7.9 | 4.6 | 4.7 | 5.9 | 4.2 | <1 |
| Total Halogenated Hydrocarbons | | 49 | 98 | 16 | 20 | 26 | 259 | 26 | 115 | 320 | 163 | 62 | 40 | 43 | 40 | 44 | 30 | 19 | 61 | 91 | 26 |
| Total Concentration of VOCs | | 49 | 98 | 16 | 20 | 26 | 259 | 26 | 115 | 320 | 163 | 62 | 40 | 43 | 40 | 44 | 30 | 19 | 61 | 91 | 26 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB71B-03-1 (Cont'd) | | | | | | | | | | | SB71B-03-2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12^ | Jul-12 | Sep-12 | Jun-03 | Jun-03 | Jun-03 | Jun-03* | Jun-03* | Jul-03* | Jul-03* | Jul-03* | Jul-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <30 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <50 | <5 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <20 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <100 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 | <300 | <30 | <30 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <30 | <3 | <3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <100 | <10 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| cis-1,2-Dichloroethene | 6 | 104 | 152 | 70.4 | 21.9 | 11.7 | 6.4 | 2.6 | 19.9 | 11 | 15.1 | 14.1 | <10 | <1 | <1 | 0.53 | 0.53 | <0.5 | <0.5 | <0.5 | <10 |
| trans-1,2-Dichloroethene | 10 | 1.4 | 2.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Tetrachloroethene | 5 | 1.1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 904 | 451 | 399 | 300 | 290 | 270 | 260 | 210 | 297 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Trichloroethene | 5 | 3.6 | 6.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.5 | 1.9 | 1.2 | 10.4 | 4.8 | 4.5 | 4.8 | 5.0 | 3.9 | 2.6 | 2.9 | <10 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Freon-123A | | | | | | | | | | | | | <10 | <1 | <1 | | | | | | <10 |
| Vinyl Chloride | 0.5 | 12.9 | 13 | 6.9 | 2.4 | 2.0 | 1.5 | <1 | 2.2 | 1.7 | 2.0 | 3.7 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 |
| Total Halogenated Hydrocarbons | | 123 | 173 | 77 | 24 | 14 | 7.9 | 2.6 | 22 | 14 | 19 | 19 | 914 | 456 | 404 | 305 | 296 | 274 | 263 | 213 | 297 |
| Total Concentration of VOCs | | 123 | 173 | 77 | 24 | 14 | 7.9 | 2.6 | 22 | 14 | 19 | 19 | 914 | 456 | 404 | 305 | 296 | 274 | 263 | 213 | 297 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-03 | Jul-03 | Aug-03* | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Oct-03 | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Feb-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <30 | <30 | <30 | <30 | <1 | <1 | <0.5 | <30 | <30 | <150 | <30 | <150 | <150 | <150 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <5 | <5 | <0.5 | <50 | <50 | <250 | <50 | <250 | <250 | <250 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <1 | <20 | <20 | <100 | <20 | <100 | <100 | <100 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <1 | <20 | <20 | <100 | <20 | <100 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <10 | <10 | <1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <300 | <300 | <300 | <30 | <30 | <0.5 | <300 | <300 | <1500 | <300 | <1500 | <1500 | <1500 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <3 | <3 | <0.5 | <30 | <30 | <150 | <30 | <150 | <150 | <150 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <10 | <10 | 0.95 | <100 | <100 | <500 | <100 | <500 | <500 | <500 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 5.4 | 17.9 | 15.5 | 12.6 | <10 | <10 | <10 | 12.5 | 12.1 | 114 | 85 | 302 | 324 | 56.7 | 86.9 | 68.5 | 53 | 52.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Tetrachloroethene | 5 | 312 | 198 | 190 | 152 | 248 | 242 | 240 | 245 | 289 | 358 | 175 | 104 | 83 | 1070 | 1000 | 1870 | 1810 | 2570 | 3440 | 5620 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Trichloroethene | 5 | 2.8 | 2.5 | 3.1 | 6.8 | 61.9 | 70.1 | 56.4 | 71.4 | 62 | 69.4 | 59.5 | 24.2 | 24 | 163 | 190 | 190 | 181 | 197 | 216 | 242 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 315 | 201 | 199 | 177 | 325 | 325 | 296 | 316 | 351 | 440 | 247 | 242 | 193 | 1,535 | 1,514 | 2,117 | 2,078 | 2,836 | 3,709 | 5,915 |
| Total Concentration of VOCs | | 315 | 201 | 199 | 177 | 325 | 325 | 296 | 316 | 351 | 440 | 247 | 242 | 193 | 1,535 | 1,514 | 2,117 | 2,078 | 2,836 | 3,709 | 5,915 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-04 | Mar-04 | Mar-04 | Mar-04 | Mar-04 | Mar-04 | Apr-04 | Apr-04 | Apr-04 | May-04 | May-04 | May-04 | May-04* | Jun-04 | Jun-04 | Jun-04 | Jun-04 | Jul-04 | Aug-04 | Aug-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| n-Butylbenzene | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| sec-Butylbenzene | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| ter-Butylbenzene | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Chlorobenzene | 70 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Ethylbenzene | 300 | <150 | <100 | <1 | <1 | <500 | <150 | <150 | <150 | <150 | <1 | <150 | <150 | <0.5 | <150 | <150 | <150 | <150 | <1 | <30 | <150 |
| Isopropylbenzene | | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 |
| p-Isopropyltoluene | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Methyl tert-Butyl Ether | 13 | <250 | <500 | <5 | <5 | <2500 | <250 | <250 | <250 | <250 | <5 | <250 | <250 | <0.5 | <250 | <250 | <250 | <250 | <5 | <50 | <250 |
| Naphthalene | | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 |
| n-Propylbenzene | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Toluene | 150 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Xylenes, total | 1750 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <2 | <20 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Bromomethane | 80 | <100 | <1000 | <10 | <10 | <5000 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <10 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Chloroethane | | <1500 | <3000 | <30 | <30 | <15000 | <1500 | <1500 | <1500 | <1500 | <30 | <1500 | <1500 | <0.5 | <1500 | <1500 | <1500 | <1500 | <30 | <300 | <1500 |
| Chloroform | 80 | <150 | <300 | <3 | <3 | <1500 | <150 | <150 | <150 | <150 | <3 | <150 | <150 | <0.5 | <150 | <150 | <150 | <150 | <3 | <30 | <150 |
| Chloromethane | | <500 | <1000 | <10 | <10 | <5000 | <500 | <500 | <500 | <500 | <10 | <500 | <500 | <0.5 | <500 | <500 | <500 | <500 | <10 | <100 | <500 |
| 1,1-Dichloroethane | 5 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| 1,2-Dichloroethane | 0.5 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 |
| 1,1-Dichloroethene | 6 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| cis-1,2-Dichloroethene | 6 | 230 | 178 | 166 | 142 | <500 | 106 | <50 | <50 | <50 | 154 | 123 | 134 | 47 | 102 | 67.5 | <50 | 54.7 | 65.4 | 26 | 65.7 |
| trans-1,2-Dichloroethene | 10 | <50 | <100 | 1.2 | <1 | <500 | <50 | <50 | <50 | <50 | 3.4 | <50 | <50 | 1.2 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| 1,2-Dichloropropane | 5 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Methylene Chloride | 5 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| 1,1,1,2-Tetrachloroethane | | <100 | <200 | <2 | <2 | <100 | <100 | <100 | <100 | <100 | <2 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Tetrachloroethene | 5 | 2900 | 5180 | 5480 | 6240 | 5600 | 5780 | 6550 | 5810 | 4480 | 1820 | 1800 | 1570 | 150 | 1730 | 2410 | 2850 | 1760 | 1680 | 1720 | 1040 |
| 1,1,1-Trichloroethane | 200 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| 1,1,2-Trichloroethane | 5 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Trichloroethene | 5 | 277 | 292 | 286 | 295.0# | <500 | 275 | 211 | 147 | 134 | 208 | 165 | 170 | 62 | 148 | 120 | 69 | 97.3 | 122 | 59.3 | 130 |
| Freon-113 | 1200 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Freon-123A | | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Vinyl Chloride | 0.5 | <50 | <100 | 4.6 | 4.2 | <500 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 |
| Total Halogenated Hydrocarbons | | 3,407 | 5,650 | 5,938 | 6,681 | 5,600 | 6,161 | 6,761 | 5,957 | 4,614 | 2,185 | 2,088 | 1,874 | 260 | 1,980 | 2,598 | 2,919 | 1,912 | 1,867 | 1,805 | 1,236 |
| Total Concentration of VOCs | | 3,407 | 5,650 | 5,938 | 6,681 | 5,600 | 6,161 | 6,761 | 5,957 | 4,614 | 2,185 | 2,088 | 1,874 | 260 | 1,980 | 2,598 | 2,919 | 1,912 | 1,867 | 1,805 | 1,236 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-04 | Aug-04 | Aug-04 | Sep-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Jun-05 | Jul-05 | Jul-05 | Aug-05 | Aug-05 | Sep-05* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chlorobenzene | 70 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 | <30 | <1 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <50 | <250 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <300 | <1500 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <100 | <500 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | 56.4 | 162 | 142 | 169 | 65.3 | 41.3 | 40.9 | 37.3 | 39.3 | 56 |
| trans-1,2-Dichloroethene | 10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 2930 | 2840 | 2720 | 1180 | 2560 | 2660 | 2800 | 2010 | 1610 | 1120 | 790 | 471 | 324 | 297 | 197 | 235 | 172 | 249 | 244 | 78 |
| 1,1,1-Trichloroethane | 200 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 31.9 | <50 | 30.2 | 45.9 | 31.7 | 23.3 | 10.5 | 7.0 | 11.3 | 26.2 | 19.8 | 17.1 | 6.4 |
| Freon-113 | 1200 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | 1.2 | <10 | <1 | 7.2 | 4.8 | 1.1 | 4.0 | <1 | <1 | 16 |
| Total Halogenated Hydrocarbons | | 2,930 | 2,840 | 2,720 | 1,180 | 2,560 | 2,660 | 2,800 | 2,042 | 1,610 | 1,150 | 894 | 665 | 489 | 484 | 274 | 289 | 243 | 306 | 300 | 156 |
| Total Concentration of VOCs | | 2,930 | 2,840 | 2,720 | 1,180 | 2,560 | 2,660 | 2,800 | 2,042 | 1,610 | 1,150 | 894 | 665 | 489 | 484 | 274 | 289 | 243 | 306 | 300 | 156 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 | Dec-05 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Feb-06 | Mar-06* | Mar-06 | Apr-06 | Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | 0.6 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 24.9 | 29 | 16.8 | 15.6 | 18 | 12.1 | 6.0 | 36.4 | 32.4 | 49.7 | 36.5 | 41 | 31.5 | 268 | 37.4 | 125 | 46.6 | 31.8 | 74.8 | 19.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 140 | 124 | 108 | 111 | 95 | 86.1 | 97 | 59.4 | 61.1 | 72.3 | 48.1 | 35 | 27.2 | 61.1 | 11.3 | 20.3 | 12.4 | 8.7 | 6.9 | 7.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.0 | 11.3 | 9.3 | 8.9 | 10.4 | 8.7 | 9.7 | 9.9 | 11.2 | 5.8 | 15.6 | 29 | 24.5 | 23.7 | 34.7 | 18.5 | 17.1 | 11.5 | 2.4 | 10.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 2.0 | <1 | <1 | 1.3 | <1 | <0.5 | 8.6 | 7.3 | 8.1 | 6.5 | 16 | 10 | 12.9 | 16.3 | 9.6 | 7.4 | 7.1 | 4.3 | 4.3 |
| Total Halogenated Hydrocarbons | | 170 | 166 | 134 | 136 | 125 | 107 | 113 | 114 | 112 | 136 | 107 | 123 | 93 | 366 | 100 | 173 | 84 | 59 | 88 | 43 |
| Total Concentration of VOCs | | 170 | 166 | 134 | 136 | 125 | 107 | 113 | 114 | 112 | 136 | 107 | 123 | 93 | 366 | 100 | 173 | 84 | 59 | 88 | 43 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 23.6 | 17.8 | 37.2 | 48 | 15.2 | 15.5 | 10.9 | 8.9 | 6.8 | 4.8 | 10.8 | 7.7 | 6.1 | 5.5 | 7.1 | 6.9 | 5.0 | 12 | 4.4 | 6.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | .<0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 13.2 | 10.9 | 5.6 | 6.6 | 12.3 | 5.2 | 14 | 4.5 | 9.3 | 16.6 | 6.0 | 4.2 | 3.3 | 3.0 | 1.8 | 2.3 | 1.4 | 2.4 | 3.9 | 2.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 8.5 | 6.6 | 1.4 | 3.0 | 3.0 | 3.1 | 5.9 | 4.0 | 4.7 | 4.4 | 3.7 | 2.1 | 2.4 | 1.7 | 2.0 | 2.1 | <1 | 8.8 | 1.7 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 1.6 | 1.3 | 1.7 | <1 | 4.1 | <1 | 2.9 | <1 | <1 | 2.5 | 2.2 | 2.2 | 2.7 | 2.5 | 1.9 | 1.9 | 5.0 | <1 | 1.3 |
| Total Halogenated Hydrocarbons | | 45 | 37 | 46 | 59 | 31 | 28 | 31 | 20 | 21 | 26 | 23 | 16 | 14 | 13 | 13 | 13 | 8.3 | 28 | 10 | 12 |
| Total Concentration of VOCs | | 45 | 37 | 46 | 71≈ | 31 | 28 | 31 | 20 | 21 | 26 | 23 | 16 | 14 | 13 | 13 | 13 | 8.3 | 28 | 10 | 12 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.2 | 4.6 | 24.5 | 22.4 | 9.4 | 9.7 | 7.2 | 2.7 | 3.7 | 2.4 | 2.2 | 2.3 | 2.3 | <1 | 2.7 | 12.2 | 3.2 | 2.1 | 2.7 | 1.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | <1 | 1.4 | 1.3 | <1 | <1 | <2 | 1.1 | 2.8 | <1 | 2.4 | 2.3 | 5.5 | 1.6 | 2.5 | 2.1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.7 | 1.2 | 6.8 | 6.9 | 2.0 | 1.7 | <1 | <1 | 1.6 | <1 | <1 | <1 | 1.2 | <1 | <1 | 2.5 | 1.1 | <1 | 1.4 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.0 | <1 | 9.1 | 2.2 | 1.8 | 2.6 | 1.7 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 12 | 5.8 | 42 | 33 | 13 | 14 | 8.9 | 3.8 | 8.1 | 2.4 | 4.6 | 4.6 | 9.0 | 1.6 | 5.2 | 18 | 4.3 | 2.1 | 4.1 | 1.3 |
| Total Concentration of VOCs | | 12 | 5.8 | 42 | 33 | 13 | 14 | 8.9 | 3.8 | 8.1 | 2.4 | 4.6 | 4.6 | 9.0 | 1.6 | 5.2 | 18 | 4.3 | 2.1 | 4.1 | 1.3 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <1 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.4 | <1 | <1 | 1.0 | <1 | 6.4 | 3.0 | 1.2 | 1.7 | 1.8 | 4.5 | 4.2 | 2.4 | 1.4 | 1.3 | 1.6 | 1.3 | 2.0 | 8.8 | 2.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | 1.0 | 1.2 | <1 | 0.98 | <1 | <1 | <1 | 1.0 | 1.2 | 2.5 | 1.6 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 1.2 | 1.0 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | 1.3 | 3.2 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.0 | <1 | <1 | 2.0 | 1.1 |
| Total Halogenated Hydrocarbons | | 1.4 | | | 1.0 | | 6.4 | 3.0 | 5.4 | 3.9 | 4.0 | 4.5 | 5.2 | 2.4 | 1.4 | 1.3 | 3.6 | 2.5 | 5.8 | 16 | 3.1 |
| Total Concentration of VOCs | | 1.4 | | | 1.0 | | 6.4 | 3.0 | 5.4 | 3.9 | 4.0 | 4.5 | 5.2 | 2.4 | 1.4 | 1.3 | 3.6 | 2.5 | 5.8 | 16 | 3.1 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB71B-03-2 (Cont'd) | | | | | | | | SB71B-04-1 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12^ | Jul-12 | Sep-12 | Apr-04 | Sep-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | Apr-05 | May-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <1 | <30 | <30 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.4 | <1 | <1 | 2.0 | 1.5 | <1 | 27.1 | 46 | 42.3 | 33.1 | 33 | 27 | 26.7 | 34 | 33.3 | 36.7 | 33.2 | 31.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 1000 | 448 | 378 | 195 | 313 | 233 | 142 | 180 | 95 | 66.7 | 51.6 | 45.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | 0.7 | <1 | <1 | 65.8 | 170 | 115 | 75.9 | 75.3 | 67 | 44 | 33.6 | 22.7 | 25.4 | 21.3 | 22.9 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | 0.58 | <1 | <1 | <0.5 | <1 | <1 | 2.3 | 5.3 | 1.5 | <10 | 2.5 | <10 | <10 | 1.6 | 3.7 | 2.4 | 1.9 | <1 |
| Total Halogenated Hydrocarbons | | | | 2.0 | | | 2.7 | 1.5 | | 1,095 | 669 | 537 | 304 | 424 | 327 | 213 | 249 | 155 | 131 | 108 | 100 |
| Total Concentration of VOCs | | | | 2.0 | | | 2.7 | 1.5 | | 1,095 | 669 | 537 | 304 | 424 | 327 | 213 | 249 | 155 | 131 | 108 | 100 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-04-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-05 | Jun-05 | Jul-05 | Jul-05 | Aug-05 | Aug-05* | Sep-05 | Oct-05[1] | Oct-05 | Oct-05 | Nov-05 | Nov-05 | Dec-05 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Feb-06 | Mar-06* | Mar-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 31.9 | 30 | 28.4 | 31.1 | 42.2 | 23 | 21.5 | 25 | 17.4 | 12.3 | 16.7 | 17.7 | 18.6 | 17 | 9.9 | 11.7 | 10.5 | 10.3 | 11 | 12.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 35.1 | 36.5 | 28 | 25.7 | 19.1 | 37 | 28.8 | 27 | 26 | 32.9 | 28.9 | 29.7 | 19.9 | 23 | 37.7 | 41 | 33.8 | 33.2 | 34 | 28.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 19 | 20.7 | 25.7 | 29.4 | 31.8 | 42 | 31.8 | 33.3 | 27.7 | 25.3 | 28.6 | 28.2 | 26 | 29 | 13.6 | 17.6 | 18.6 | 17 | 15 | 14.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 1.5 | 3.0 | 3.3 | 3.2 | 3.0 | 2.3 | 3.0 | 3.5 | 1.9 | <1 | 3.0 | 2.8 | 2.4 | 2.6 | 1.2 | 1.7 | <1 | <1 | 1.5 | 1.9 |
| Total Halogenated Hydrocarbons | | 88 | 90 | 85 | 89 | 96 | 104 | 85 | 89 | 73 | 71 | 77 | 78 | 67 | 72 | 62 | 72 | 63 | 61 | 62 | 57 |
| Total Concentration of VOCs | | 88 | 90 | 85 | 89 | 96 | 104 | 85 | 89 | 73 | 71 | 77 | 78 | 67 | 72 | 62 | 72 | 63 | 61 | 62 | 57 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-04-1 (Cont'd) Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 9.8 | 8.7 | 8.5 | 6.9 | 6.1 | 6.5 | 5.8 | 5.7 | 5.7 | 7.2 | 10.3 | 8.7 | 10.2 | 8.8 | 12.3 | 9.9 | 14 | 11.6 | 13 | 9.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 34.1 | 17.6 | 29 | 24.5 | 19.8 | 20 | 18.9 | 18.9 | 18.2 | 15 | 15.8 | 11.8 | 12.9 | 12.8 | 16.2 | 14.2 | 24 | 30.1 | 23.3 | 17.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 15.5 | 13.9 | 15.2 | 12 | 10.1 | 11 | 10.5 | 11.5 | 12.2 | 12 | 14.7 | 12.2 | 14.3 | 12.8 | 14.6 | 11.2 | 10 | 12.6 | 11.7 | 9.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 59 | 40 | 53 | 43 | 36 | 38 | 35 | 36 | 36 | 34 | 41 | 33 | 37 | 34 | 43 | 35 | 49 | 54 | 48 | 36 |
| Total Concentration of VOCs | | 59 | 40 | 53 | 43 | 36 | 38 | 35 | 36 | 36 | 34 | 41 | 33 | 37 | 34 | 43 | 35 | 49 | 54 | 48 | 36 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-04-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-07 | Aug-07 | Sep-07* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.3 | 9.3 | 9.9 | 9.1 | 8.2 | 10.4 | 10.1 | 7.5 | 6.6 | 11.6 | 9.7 | 9.8 | 6.2 | 9.8 | 6.1 | 8.9 | 8.7 | 11 | 14.2 | 11.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 30.8 | 23 | 29 | 14 | 12.8 | 31.5 | 29.9 | 19.1 | 17.7 | 22.3 | 15.6 | 14.9 | 12 | 27 | 9.5 | 17.4 | 11.9 | 25 | 32.4 | 25.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 13.3 | 13.9 | 15 | 10.6 | 9.0 | 12.9 | 12.7 | 9.5 | 7.2 | 9.7 | 8.2 | 8.2 | 6.5 | 12 | 5.7 | 8.9 | 8.2 | 12 | 12.8 | 10.9 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 55 | 46 | 54 | 34 | 30 | 55 | 53 | 36 | 32 | 44 | 34 | 33 | 25 | 49 | 21 | 35 | 29 | 48 | 59 | 47 |
| Total Concentration of VOCs | | 55 | 46 | 54 | 34 | 30 | 55 | 53 | 36 | 32 | 44 | 34 | 33 | 25 | 49 | 21 | 35 | 29 | 48 | 59 | 47 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71B-04-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 9.6 | 7.0 | 6.4 | 5.6 | 5.2 | 6.1 | 5.1 | 5.5 | 6.2 | 5.8 | 5.1 | 10.2 | 13.6 | 16.7 | 22.2 | 20 | 19.7 | 21.8 | 18.2 | 17 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 25.6 | 20.6 | 16 | 18 | 10.7 | 13 | 11.3 | 13.3 | 14 | 14.4 | 9.9 | 11.2 | 10.1 | 12.4 | 17.4 | 20 | 21.1 | 15.8 | 21.3 | 14 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 10.2 | 8.9 | 6.4 | 7.0 | 4.8 | 5.5 | 5.1 | 5.8 | 6.2 | 5.5 | 4.3 | 5.3 | 5.4 | 6.9 | 8.6 | 10 | 10.5 | 9.8 | 10.3 | 6.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 45 | 37 | 29 | 31 | 21 | 25 | 22 | 25 | 26 | 26 | 19 | 27 | 29 | 36 | 48 | 50 | 51 | 47 | 50 | 38 |
| Total Concentration of VOCs | | 45 | 37 | 29 | 31 | 21 | 25 | 22 | 25 | 26 | 26 | 19 | 27 | 29 | 36 | 48 | 50 | 51 | 47 | 50 | 38 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB71B-04-1 (Cont'd) | | | | | | | | | | | | SB71H-98-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12^ | Jul-12 | Sep-12 | Apr-98 | Jun-98 | Jul-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 1.9 | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <4 | <4 | <4 | <4 | <4 | <4 | <4 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <1 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.7 | 2.7 | 3.0 | 3.4 | 3.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.4 | 2.0 |
| cis-1,2-Dichloroethene | 6 | 19.6 | 21.7 | 12.4 | 18.1 | 20.3 | 17.9 | 16 | 8.6 | 6.7 | 6.8 | 7.9 | 8.8 | <1 | <1 | <1 | <1 | 1.2 | <1 | 2.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 16.2 | 89 | 13.2 | 11 | 12.6 | 13.1 | 16 | 9.2 | 9.4 | 14 | 8.4 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.5 | 14.2 | 5.9 | 5.2 | 6.4 | 6.4 | 7.8 | 4.1 | 4.1 | 4.5 | 4.0 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 43 | 125 | 32 | 34 | 40 | 37 | 40 | 22 | 20 | 25 | 20 | 16 | | | 1.7 | 2.7 | 6.8 | 6.2 | 7.8 |
| Total Concentration of VOCs | | 43 | 125 | 32 | 34 | 40 | 37 | 40 | 22 | 20 | 25 | 20 | 16 | | 1.9 | 1.7 | 2.7 | 6.8 | 6.2 | 7.8 |

# Table 5-2 (Cont'd)
## Bevalac Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB71H-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-00 | Mar-01 | Oct-01 | Mar-02 | Oct-02* | Mar-03 | Sep-03 | Mar-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06 | Sep-06 | Mar-07 | Sep-07* | Sep-09 | Sep-10* | Sep-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <4 | <4 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <1 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 3.1 | 4.3 | 2.9 | 2.8 | 2.8 | 2.5 | 2.4 | 2.9 | 2.8 | 2.0 | 2.4 | 2.5 | 1.6 | 1.9 | 2.2 | 2.0 | 2.1 | 1.7 | 1.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.2 | 2.1 | 1.1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | 1.2 | <1 | 1.1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | 0.86 | <1 | 0.7 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | 9.0 | 29.2 | 1.4 | 3.6 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | 1.3 | <1 | <1 | <1 | | <1 | <1 | | | | <1 | | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.6 | 6.4 | 4.0 | 2.8 | 5.2 | 13 | 32 | 4.3 | 6.4 | 2.0 | 2.4 | 5.1 | 1.6 | 1.9 | 4.3 | 2.0 | 3.9 | 1.7 | 1.9 |
| Total Concentration of VOCs | | 5.6 | 6.4 | 4.0 | 2.8 | 5.2 | 13 | 32 | 4.3 | 6.4 | 2.0 | 2.4 | 5.1 | 1.6 | 1.9 | 4.3 | 2.0 | 3.9 | 1.7 | 1.9 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
≈:Total concentration include other chemicals, detail shown on Table 10.

(G) = Grab sample
(D) = Duplicate sample
(S) = Split sample

< = Less than Quantitation Limit
= Compound not included in analysis
# = QA/QC problems

# Table 5-3
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW51-07-1 | | | | | | EW51-07-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 5.5 | 3.7 | 4.6 | 3.3 | 4.3 | 5.0 | 4.1 | 1.0 | 2.7 | 4.2 | 7.2 | 10.2 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.2 | 2.8 | 2.4 | 1.5 | 3.0 | 2.5 | <0.5 | <1 | <1 | 1.0 | 1.6 | 1.6 |
| cis-1,2-Dichloroethene | 6 | 140 | 130 | 131 | 97.8 | 145 | 160 | 5.6 | 1.5 | 4.2 | 6.1 | 8.3 | 10.8 |
| trans-1,2-Dichloroethene | 10 | 3.7 | 3.1 | 3.4 | 3.1 | 4.4 | 4.2 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 61 | 37.2 | 38.3 | 22.2 | 31.5 | 25.5 | 19 | 8.7 | 12.1 | 23.4 | 48.5 | 66.8 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 0.67 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 215 | 177 | 180 | 128 | 188 | 197 | 29 | 11 | 19 | 35 | 66 | 89 |
| Total Concentration of VOCs | | 215 | 177 | 180 | 128 | 188 | 197 | 29 | 11 | 19 | 35 | 66 | 89 |

# Table 5-3 (Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW51A-06-1 | | | | | | EW51B-07-1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 11.4 | 14.9 | 68.3 | 11.9 | 7.1 | 8.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | 4.3 | 17.7 | 3.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.4 | <1 | <1 | <1 | 8.4 | 9.3 | 8.3 | 6.2 | 7.8 | 7.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 16.7 | 20 | 15.2 | 12.1 | 14.6 | 13.5 |
| cis-1,2-Dichloroethene | 6 | 3.6 | 6.6 | 34.6 | 8.0 | 3.4 | 2.9 | 27.2 | 29.2 | 25.4 | 23.3 | 25.8 | 24 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | 2.3 | 19 | 3.0 | 1.4 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 113 | 171 | 718 | 157 | 92.3 | 112 | 4.7 | 4.9 | 6.3 | 4.8 | 4.7 | 4.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 130 | 199 | 859 | 183 | 104 | 125 | 57 | 63 | 55 | 46 | 53 | 49 |
| Total Concentration of VOCs | | 130 | 199 | 859 | 183 | 104 | 125 | 57 | 63 | 55 | 46 | 53 | 49 |

# Table 5-3 (Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW51B-07-2 | | | | | | EW51L-06-1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.1 | <1 | <1 | <1 | 1.0 | 2.8 | 2.5 | 1.6 | <1 | 1.5 | 2.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.4 | 6.8 | 5.9 | 6.6 | 7.6 | 6.8 | 9.5 | 7.8 | 7.1 | 6.2 | 5.9 | 6.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 15.7 | 14.7 | 13.7 | 10.6 | 9.6 | 13.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.4 | 7.9 | 5.9 | 6.6 | 7.6 | 7.8 | 28 | 25 | 22 | 17 | 17 | 22 |
| Total Concentration of VOCs | | 8.4 | 7.9 | 5.9 | 6.6 | 7.6 | 7.8 | 28 | 25 | 22 | 17 | 17 | 22 |

# Table 5-3 ( Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW64-00-1 | | | | | | EW64-03-1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 2.5 | 1.1 | <1 | <1 | 1.2 | 1.9 | 3.8 | 30.7 | 12.9 | 12.1 | 15.3 | 28.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | 1.0 | <1 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.5 | 1.6 | 2.1 | 1.9 | 3.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.8 | 1.1 | | | 1.2 | 1.9 | 3.8 | 37 | 15 | 15 | 17 | 34 |
| Total Concentration of VOCs | | 3.8 | 1.1 | | | 1.2 | 1.9 | 3.8 | 37 | 15 | 15 | 17 | 34 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

< = Less than Quantitation Limit
= Compound not included in analysis

# Table 5-4
## Groundwater Sampling Results - Building 51A and Building 51 Vacuum Pump Room Area
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
(concentrations in µg/L)

| | | OC51-11-1 | | | | | | SB51-10-W2 | SB51-10-W5 | SB51-11-1R | | SB51-11-3 | SB51-11-4 | | SB51-11-5 | SB51-11-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-11 | Jan-12 | Mar-12 | May-12 | Jun-12 | Aug-12 | Feb-12 | Feb-12 | May-12 | Sept-12* | May-12 | May-12 | Sept-12* | Feb-12 | Feb-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 7.6 | 7.2 | 4.6 | 7.2 | 8.7 | 8.4 | <1 | 7.2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.5 | <1 | <1 | 1.7 | 1.6 | 1.6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 51.6 | 41.8 | 28.4 | 57.5 | 71.3 | 70.5 | 40.2 | 1.7 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 8.1 | 4.2 | 2.3 | 3.5 | 4.2 | 3.6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 173 | 4.8 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 4.5 | 4.2 | 3.1 | 3.4 | 3.4 | 2.3 | <1 | 1.1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 2,2-Dichloropropane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Trichloroethene | 5 | 189 | 220 | 159 | 219 | 208 | 142 | 80.5 | 31.9 | <1 | <0.5 | 4.6 | <1 | 2.1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.8 | 1.5 | <1 | 1.4 | 1.4 | 1.3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 264 | 279 | 197 | 294 | 299 | 230 | 294 | 47 | | | 4.6 | | 2.1 | | |
| Total Concentration of VOCs | | 264 | 279 | 197 | 294 | 299 | 230 | 294 | 47 | | | 4.6 | | 2.1 | | |

# Table 5-4 (Cont'd)
## Groundwater Sampling Results - Building 51A and Building 51 Vacuum Pump Room Area
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| | | SB51-11-9 | | | SB51-11-10 | | SB51-11-11 | | | SB51-11-17 | | SB51-11-18 | | SB51-11-19 | | SB51-11-42 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-12 | May-12 | Sept-12* | May-12 | Sept-12* | Dec-11 | May-12 | Sep-12 | May-12 | Sep-12 | May-12 | Sep-12 | May-12 | Sep-12 | Dec-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | |
| Benzene | 1 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 |
| n-Butylbenzene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <400 | <200 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <400 | <200 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <400 | <200 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 1.3 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <2000 | <1000 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <6000 | <3000 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <600 | <300 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <2000 | <1000 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 341 | <100 | 77 | <1 | <0.5 | <1 | 2.7 | 1.2 | 2.7 | 2.9 | <1 | <1 | <1 | <1 | 10.1 |
| 1,2-Dichloroethane | 0.5 | <400 | <200 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <200 | <100 | 19 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <200 | <100 | 70 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.4 |
| trans-1,2-Dichloroethene | 10 | <200 | <100 | 3.6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <200 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <400 | <200 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <200 | <100 | 2.4 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 |
| 1,1,1-Trichloroethane | 200 | <200 | 168 | 100 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 |
| 1,1,2-Trichloroethane | 5 | <200 | <100 | 0.81 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | | <200 | <100 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17500 | 5750 | 4100 | <1 | 0.51 | <1 | <1 | <1 | <1 | 1.8 | 3.5 | 3.4 | <1 | <1 | 65.8 |
| Freon-113 | 1200 | <200 | <100 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <200 | <100 | 22 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 17,841 | 5,918 | 4,395 | | 0.5 | | 2.7 | 1.2 | 2.7 | 4.7 | 3.5 | 3.4 | | | 88 |
| Total Concentration of VOCs | | 17,841 | 5,918 | 4,395 | | 0.5 | | 2.7 | 1.2 | 2.7 | 4.7 | 3.5 | 3.4 | | 1.3 | 88 |

# Table 5-4 (Cont'd)
## Groundwater Sampling Results - Building 51A and Building 51 Vacuum Pump Room Area
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
(concentrations in µg/L)

| | | SB51-11-43 | SB51-11-M2 | SB51-11-M3 | SB51-11-M4 | SB51A-12-1 | | | SB51A-12-2 | | | | SB51A-12-3 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-11 | Dec-11 | Dec-11 | Dec-11 | Feb-12 | May-12 | Jul-12 | Feb-12 | Feb-12 | May-12 | Jul-12 | Feb-12 | May-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | 10300 | 2870 | 4270 | 118 | 10.4 | 80.7 | 74 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 46.2 | 149 | 200 | 48.4 | 10.7 | 11.8 | 34.5 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 7.3 | 11.1 | 9.4 | 4.2 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.1 | <1 | 1.3 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.7 | 2.6 | 3.9 | 1.8 | 20 | 16.7 | 24.5 | 6.3 | 1.5 | 5.7 | 4.9 | <1 | 1.2 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.9 | 1.7 | 9.4 | 2.6 | 1270 | 322 | 442 | 2.5 | <1 | 8.9 | 3.8 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 1.3 | <1 | 1.8 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 31.5 | 27.5 | 48.9 | 16.1 | 11700 | 6950 | 10400 | 1990 | 397 | 579 | 858 | 5.1 | 2.7 | 3.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 48 | 44 | 73 | 26 | 23,336 | 10,308 | 15,337 | 2,165 | 420 | 686 | 975 | 5.1 | 3.9 | 3.5 |
| Total Concentration of VOCs | | 48 | 44 | 73 | 26 | 23,336 | 10,308 | 15,337 | 2,165 | 420 | 686 | 975 | 5.1 | 3.9 | 3.5 |

# Table 5-4 (Cont'd)
## Groundwater Sampling Results - Building 51A and Building 51 Vacuum Pump Room Area
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| | | SB51A-12-4 | | | SB51A-12-5 | | | SB51A-12-6 | | | SB51A-12-7 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-12 | May-12 | Jul-12 | Feb-12 | May-12 | Jul-12 | Feb-12 | May-12 | Jul-12 | Feb-12 | Apr-12 | Apr-12 | May-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <200 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <200 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <200 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <1000 | <1000 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | 1470 | 2940 | 2240 | 1.2 | 1.7 | 1.4 | 4.1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <3000 | <3000 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | 44.8 | 55.2 | 55.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <1000 | <1000 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <200 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.7 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 8.2 | 16.7 | 12.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <200 | <200 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 9.4 | 28.3 | 19.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 2,2-Dichloropropane | | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.8 | 3.8 | 3.1 | 4940 | 11100 | 7780 | 9.5 | 15.1 | 11.2 | 13.9 | 4.6 | 2.3 | 7.1 | 3.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <100 | <100 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | 3.0 | <100 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.8 | 3.8 | 3.1 | 6,475 | 14,142 | 10,112 | 11 | 17 | 13 | 18 | 4.6 | 2.3 | 7.1 | 3.0 |
| Total Concentration of VOCs | | 1.8 | 3.8 | 3.1 | 6,475 | 14,142 | 10,112 | 11 | 17 | 13 | 18 | 4.6 | 2.3 | 7.1 | 3.0 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories

< = Less than Quantitation Limit
= Compound not included in analysis

# Table 6-1
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 5-93-10 Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | Nov-94* | Jan-95* | May-95* | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 20.8 | 24 | 31.9 | 24.1 | 16.7 | 26 | 18 | 11 | 15.2 | 28.2 | 37.8 | 24.2 | 19 | 20 | 19 | 17.3 | 19.3 | 10.2 | 8.6 | 8.1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.4 | 3.9 | 3.2 | 1.6 | 1.4 | 2.4 | 1.3 | 1.1 | 3.5 | 5.6 | 2.1 | 2.2 | 2.7 | 2.8 | 1.6 | 1.8 | 1.5 | 1.5 | 1.4 | 2.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.1 | 2.3 | <1 | <1 | 0.84 | 1.1 | 0.79 | 6.1 | 1.3 | <1 | 3.4 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 24.8 | 34 | 26.8 | 13.9 | 20.2 | 18 | 12 | 11 | 28.8 | 38.6 | 17.3 | 18.2 | 18.9 | 31 | 18.2 | 24.8 | 19.3 | 18.8 | 16.4 | 27.5 |
| Freon-113 | 1200 | <1 | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 49 | 63 | 64 | 40 | 38 | 47 | 32 | 24 | 54 | 74 | 57 | 48 | 41 | 55 | 39 | 44 | 40 | 31 | 26 | 38 |
| Total Concentration of VOCs | | 49 | 63 | 64 | 40 | 38 | 47 | 32 | 24 | 54 | 74 | 57 | 48 | 41 | 55 | 39 | 44 | 40 | 31 | 26 | 38 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 5-93-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-00 | Sep-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03 | Aug-04 | Aug-05 | Oct-05 | Nov-05 | Feb-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 6.9 | 9.0 | 7.6 | 9.6 | 9.3 | 8.3 | 6.7 | 5.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.7 | 2.2 | 1.6 | 2.9 | 1.8 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 16.1 | 19.5 | 16.7 | 25.5 | 15.4 | 20.1 | 12.4 | 5.4 | 2.1 | 2.5 | 2.7 | 2.4 | 2.9 | 2.5 | 3.5 | 1.7 | 3.5 | 2.0 | 4.4 | 2.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27 | 31 | 26 | 38 | 27 | 31 | 19 | 10 | 2.1 | 2.5 | 2.7 | 2.4 | 2.9 | 2.5 | 3.5 | 1.7 | 3.5 | 2.0 | 4.4 | 2.3 |
| Total Concentration of VOCs | | 27 | 31 | 26 | 38 | 27 | 31 | 19 | 10 | 2.1 | 2.5 | 2.7 | 2.4 | 2.9 | 2.5 | 3.5 | 1.7 | 3.5 | 2.0 | 4.4 | 2.3 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 5-93-10 (Cont'd) Dec-06* | Jan-07 | Feb-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.3 | <1 | 1.4[1] | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 2.4 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.2 | 1.9 | 6.4 | 1.7 | 2.4 | 2.3 | 2.0 | 3.2 | 2.0 | 3.4 | 2.2 | 4.8 | 1.7 | 1.8 | 2.3 | 1.8 | 3.1 | 1.9 | 2.7 | 1.9 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.9 | 1.9 | 7.8 | 1.7 | 2.4 | 2.3 | 2.0 | 3.2 | 2.0 | 3.4 | 2.2 | 4.8 | 1.7 | 1.8 | 2.3 | 1.8 | 3.1 | 1.9 | 2.7 | 1.9 |
| Total Concentration of VOCs | | 9.9 | 1.9 | 7.8 | 1.7 | 2.4 | 2.3 | 2.0 | 3.2 | 2.0 | 3.4 | 2.2 | 4.8 | 1.7 | 1.8 | 2.3 | 1.8 | 3.1 | 1.9 | 2.7 | 1.9 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 5-93-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 0.99 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.3 | 3.3 | 1.7 | 3.9 | 1.7 | 2.5 | 2.2 | 2.7 | 1.9 | 3.3 | 1.3 | 3.7 | 1.0 | 4.2 | 1.2 | 1.7 | 1.0 | 2.9 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.6 | 3.3 | 1.7 | 3.9 | 1.7 | 2.5 | 3.2 | 2.7 | 1.9 | 3.3 | 1.3 | 3.7 | 1.0 | 4.2 | 1.2 | 1.7 | 1.0 | 2.9 | | |
| Total Concentration of VOCs | | 6.6 | 3.3 | 1.7 | 3.9 | 1.7 | 2.5 | 3.2 | 2.7 | 1.9 | 3.3 | 1.3 | 3.7 | 1.0 | 4.2 | 1.2 | 1.7 | 1.0 | 2.9 | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 5-93-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-10 | May-10 | Jun-10 | Jul-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 2.0 | <1 | 5.1 | 1.9 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.3 | 5.9 | <1 | 2.6 | 1.9 | 1.7 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 2.0 | | 6.3 | 1.9 | | | | | 2.2 | | | | 1.3 | 7.4 | | 2.6 | 1.9 | 1.7 | |
| Total Concentration of VOCs | | | 2.0 | | 6.3 | 1.9 | | | | | 2.2 | | | | 1.3 | 7.4 | | 2.6 | 1.9 | 1.7 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 5-93-10 (Cont'd) May-12 | Jul-12 | Sep-12 | 6-92-17 Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | (D) | Aug-94 | Dec-94* | Feb-95* | Jun-95* | Aug-95 | Nov-95 | Mar-96 | (D)* | Jun-96 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | 7.7 | 6.2 | 6.6 | 5.1 | 4.7 | 6.9 | 6.5 | 7.6 | 3.6 | 7.1 | 7.3 | 6.8 | 8.5 | 7.1 | 15.7 | 7.5 | 9.4 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <5 | 1.3 | 1.7 | 1.2 | <1 | 1.3 | <1 | 1.0 | <1 | 0.66 | 0.86 | 0.82 | 1.2 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <5 | 2.4 | 2.5 | 1.4 | <1 | 3.3 | 2.1 | 2.3 | 2.6 | 1.5 | 1.9 | 1.4 | 1.3 | 3.0 | <1 | 0.93 | 1.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <5 | 1.1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 0.51 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | 1.4 | <1 | 29 | 29.7 | 32.8 | 26.6 | 25.2 | 32 | 21 | 24.3 | 34.7 | 30 | 27 | 24 | 28.4 | 24.9 | 22.2 | 24 | 18 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | 9.3 | 3.3 | 4.1 | <1 | <0.5 | 0.54• | <0.5 | <5 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | 1.4 | | 37 | 41 | 45 | 34 | 30 | 53 | 33 | 39 | 41 | 39 | 38 | 34 | 39 | 35 | 38 | 32 | 29 |
| Total Concentration of VOCs | | | 1.4 | | 37 | 41 | 45 | 34 | 30 | 53 | 33 | 39 | 41 | 39 | 38 | 34 | 39 | 35 | 38 | 32 | 29 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 6-92-17 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-96 | Dec-96* | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Mar-02 | Sep-02 | Aug-03* | Jul-04 | Aug-05 | Jan-06 | Jul-06 | Oct-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.5 | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 8.0 | 7.7 | 11.4 | 7.8 | 3.6 | 6.1 | 5.6 | 7.8 | 7.7 | 8.5 | 8.7 | 7.0 | 6.1 | 7.2 | 5.0 | 6.7 | 5.8 | 3.8 | 3.7 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.7 | 1.2 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.54 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17.1 | 21 | 24.4 | 20.7 | 9.7 | 15.3 | 14.5 | 15.9 | 14 | 16.8 | 18 | 17 | 14.2 | 19.8 | 12 | 15.2 | 9.6 | 12.1 | 10.7 | 9.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 25 | 31 | 37 | 30 | 13 | 21 | 20 | 24 | 22 | 25 | 27 | 24 | 20 | 27 | 18 | 22 | 15 | 16 | 14 | 9.2 |
| Total Concentration of VOCs | | 25 | 31 | 37 | 30 | 13 | 21 | 20 | 24 | 22 | 25 | 27 | 24 | 22 | 27 | 18 | 22 | 15 | 16 | 14 | 9.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 6-92-17 (Cont'd) | | | | | | | | | | | 6-93-4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-07 | Feb-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Aug-10 | Feb-11 | Aug-11 | Jan-12 | Aug-12 | Oct-93 | (D)* | Mar-94 | (D)* | Jun-94 | Aug-94 | Sep-94 | Dec-94* | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.9 | 3.5 | 1.7 | 1.9 | 4.6 | <1 | 3.6 | 3.6 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.55 | 0.58 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.75 | 0.55 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.9 | <1 | <0.5 | <1 | 1.1 | <1 | <0.5 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1.0 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.8 | 3.5 | 1.7 | 1.9 | 5.7 | | 4.9 | 4.73 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Chloroform | 80 | 4.1 | 9.5 | 7.9 | 10.5 | 8.3 | 8.5 | 5.9 | 8.9 | 5.6 | 8.7 | 5.9 | 1.8 | 2.9 | <1 | <0.5 | 1.7 | <1 | <1 | 0.69 | 0.68 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.7 | 4.9 | 0.8 | <1 | <1 | <1 | 0.94 | 0.92 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.1 | 3.7 | 5.9 | 1.5 | 3.3 | 1.7 | <1 | 2.5 | 2.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 1.8 | 5.2 | 1.9 | 2.6 | 2.6 | <1 | 3.0 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10.3 | 11 | 11 | 5.2 | 9.2 | 7.9 | <1 | 5.7 | 5.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Trichloroethene | 5 | 8.4 | 10.5 | 9.2 | 6.8 | 7.9 | 7.8 | 7.6 | 6.9 | 7.5 | 6.1 | 6.4 | 21.4 | 23 | 17.9 | 11 | 18.8 | 13.5 | 1.5 | 14 | 14 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Freon-123A | | <1 | <1 | | | | | | | | | | <1 | | <1 | | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.2 | 2.4 | 13.7 | 4.9 | 3.3 | 1.8 | <1 | 7.0 | 6.9 |
| Total Halogenated Hydrocarbons | | 13 | 20 | 17 | 17 | 16 | 16 | 14 | 16 | 13 | 15 | 12 | 44 | 46 | 59 | 25 | 39 | 28 | 1.5 | 34 | 34 |
| Total Concentration of VOCs | | 13 | 20 | 17 | 17 | 16 | 16 | 14 | 16 | 13 | 15 | 12 | 44 | 47 | 62 | 27 | 41 | 33 | 1.5 | 39 | 38 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 6-93-4 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-95* | May-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | Aug-97 | Nov-97 | Feb-98 | Sep-98 | Feb-99 | Sep-99 | Mar-00 | Sep-00 | Feb-01 | Mar-01 | Jun-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | 2.2 | 2.5 | 3.1 | 2.9 | 3.5 | <2 | <1 | 2.0 | <1 | 4.1 | 3.8 | <1 | 3.2 | <1 | 3.7 | 1.0 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.2 | 2.5 | 3.1 | 2.9 | 3.5 | | | 2 | | 4.1 | 3.8 | | 3.2 | | 3.7 | 1 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | 0.96 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | 0.76 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | 21.6 | 1.4 | 6.8 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.0 | 2.5 | 3.4 | 3.7 | 1.4 | 1.9 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.3 | <1 | 1.8 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.0 | 1.7 | 2.9 | 2.5 | 2.9 | 3.1 | 3.5 | 4.5 | 5.8 | 1.7 | 1.4 | <1 | 1.0 | 2.7 | <1 | 19.2 | <1 | 3.4 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.9 | 13 | 14.2 | 11.4 | 4.9 | 6.8 | 47.8 | 2.6 | 2.3 | 9.5 | <1 | 1.1 | <1 | 1.8 | <1 | 19.3 | 1.4 | 5.3 | 1.2 | 3.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.4 | <1 | <1 | 12.9 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.0 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.1 | 16 | 15 | 23.9 | 10.9 | 9.1 | 15.6 | 3.5 | 1.7 | 3.3 | 1.1 | 1.0 | 1.1 | 3.3 | 1.7 | 35.7 | 2.8 | 13.2 | 1.3 | 6.6 |
| Freon-113 | 1200 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 6.9 | 2.4 | 9.0 | 5.6 | 14.6 | 7.7 | 6.7 | 9.4 | 2.6 | 6.9 | 9.4 | 4.8 | 8.7 | 6.3 | 1.3 | 6.9 | <1 | 1.3 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 19 | 37 | 46 | 48 | 35 | 29 | 76 | 20 | 12 | 21 | 12 | 6.9 | 11 | 14 | 5.4 | 123 | 5.6 | 32 | 15 | 10 |
| Total Concentration of VOCs | | 21 | 40 | 49 | 51 | 38 | 29 | 76 | 22 | 12 | 26 | 16 | 6.9 | 14 | 14 | 9.1 | 124 | 5.6 | 32 | 15 | 10 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-93-4 (Cont'd) | | | | | | | | | | | | | | | | 6-95-14[T] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Aug-06 | Oct-06 | Aug-07 | Aug-08 | Aug-09 | Aug-10* | Aug-11 | Sep-12 | Sep-95 | (S)* | Dec-95 | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <2 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | 1.1 | 2.5 | 2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | 1.6 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <1 | <1 | 2.1 | 1.6 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | 2.1 | <1 | 0.73 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <1 | 7.0 | <1 | 5.2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | 1.2 | 1.0 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | 13.2 | 8.3 | 12.9 | 6.7 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | 2.3 | 1.5 | 1.1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | 13.2 | 20.8 | 21.8 | 18.33 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | 10.6 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <3 | <1 | 2.8 | 3.3 | <1 | 0.89 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | 3.8 | <1 | <1 | <1 | .<1 | .<1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.2 | 1.1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 1.2 | <1 | <1 | 2.0 | <1 | 3.1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.5 | 1.5 | 1.0 | 0.91 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1.9 | <1 | <1 | 10.9 | 4.6 | <1 | 5.3 | 5.5 | 12.9 | 7.1 | 2.6 | <1 | 1.4 | 1.5 | <1 | <1 | <1 | 1.3 | 2.1 | 1.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 5.1 | <1 | <1 | 10.5 | 3.9 | 2.8 | 4.1 | 2.1 | 4.2 | 2.2 | 1.2 | <1 | <1 | <0.5 | <1 | 1.1 | 8.1 | 8.1 | 4.1 | 4.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 5.4 | 6.5 | 5.6 | 9.7 |
| Total Halogenated Hydrocarbons | | 22 | | | 29 | 8.5 | 5.9 | 9.4 | 7.6 | 18 | 9.3 | 3.8 | | 1.4 | 1.5 | | 1.1 | 19 | 22 | 13 | 17 |
| Total Concentration of VOCs | | 22 | | | 29 | 8.5 | 5.9 | 9.4 | 7.6 | 18 | 9.3 | 3.8 | | 1.4 | 1.5 | | 1.1 | 32 | 43 | 35 | 36 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 6-95-14[T] (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-96 | Jun-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | Apr-97 | Aug-97 | Nov-97 | Mar-98 | May-98 | Sep-98 | Feb-99 | May-99 | Dec-99 | Feb-00 | May-00 | Jul-00 | Nov-00 | Feb-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | 2.6 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | 5.2 | <2 | <1 | 1.2 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | 2.4 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | 4.8 | 3.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 15 | 3.6 | | 1.2 | 1.3 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 2.5 | <1 | 5.7 | 7.0 | <1 | <1 | 1.3 | 1.1 | 1.4 | 11.4 | 4.4 | <1 | 12.8 | 15.6 | 20.3 | 12.2 | 13.9 | 10.3 | 16 | 15.9 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.0 | 3.6 | 2.1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | 1.2 | 1.1 | 1.7 | <1 | <1 | <1 | <1 | 1.1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.9 | 1.4 | 1.3 | <1 | <1 | 1.1 | 4.0 | 2.3 | <1 | 1.8 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.2 | <1 | 26.3 | 5.3 | 10.2 | 5.0 | 5.4 | 1.9 | 1.1 | 5.2 | 1.4 | <1 | 8.7 | 7.4 | 2.9 | 5.8 | 5.6 | 7.0 | 2.4 | 3.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 3.9 | 16.3 | 10.9 | 6.2 | 5.6 | 6.4 | 4.2 | 4.2 | 15.6 | 8.0 | 3.2 | 13.7 | 11.5 | 17.8 | 10.7 | 9.7 | 9.45 | 10.2 | 10.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 7.6 | <1 | <1 | 3.7 | 8.0 | 5.4 | 3.3 | 2.6 | <1 | 6.3 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.7 | 14 | 53 | 27 | 20 | 19 | 20 | 15 | 12 | 34 | 22 | 6.1 | 36 | 36 | 43 | 29 | 29 | 27 | 29 | 30 |
| Total Concentration of VOCs | | 3.7 | 29 | 57 | 27 | 21 | 20 | 20 | 15 | 12 | 34 | 22 | 6.1 | 36 | 36 | 43 | 29 | 29 | 27 | 29 | 30 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 6-95-14[T] (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-01 | Sep-01 | Feb-02 | Apr-02 | May-02 | Jul-02 | Sep-02 | Nov-02[T] | May-03[T] | Aug-03[T] | Mar-04 | Aug-04 | Feb-05[T] | Apr-05[T] | Jun-05[T] | Aug-05[T] | Aug-05 | Oct-05[T] | Dec-05[T] | May-06[T] |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | 8.1 | 15.7 | 14.4 | 19.8 | 8.8 | 14.9 | 13.1 | 15.8 | 23 | 17.8 | 26.6 | 18.3 | 4.8 | 14.4 | 22.8 | 24.6 | 25.5 | 22.8 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.56 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.0 | 1.3 | 3.5 | 4.1 | 2.2 | 1.9 | 1.3 | 1.6 | 2.2 | 5.1 | 2.6 | <1 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.2 | 7.3 | 8.7 | 9.2 | 9.8 | 4.6 | 9.8 | 11 | 6.7 | 6.9 | 2.1 | 1.7 | 2.1 | <1 | 2.6 | <1 | 1.7 | 3.1 | 4.8 | 4.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.2 | 17 | 28 | 28 | 32 | 15 | 26 | 26 | 25 | 36 | 23 | 28 | 23 | 4.8 | 17 | 23 | 26 | 29 | 28 | 4.4 |
| Total Concentration of VOCs | | 6.2 | 17 | 28 | 28 | 32 | 15 | 26 | 26 | 25 | 36 | 23 | 28 | 23 | 4.8 | 17 | 23 | 26 | 29 | 28 | 4.4 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 6-95-14[T] (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | July-06[T] | Aug-06 | Jan-07[T] | Apr-07 | Jul-07 | Aug-07 | Oct-07[T] | Jan-08 | Arp-08* | Jul-08 | Oct-08 | Jan-09 | Apr-09 | Jul-09 | Oct-09 | Jan-10 | May-10 | Aug-10 | Nov-10 | Jan-11* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | 13.5 | 12.3 | 8.1 | 7.0 | 6.8 | 12.6 | 7.3 | 6.8 | 6.1 | 4.6 | 7.2 | 8.0 | 6.7 | 6.3 | 7.4 | 6.1 | 5.8 | 4.1 | 6.1 | 5.9 |
| 1,1-Dichloroethane | 5 | <1 | .<1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 4.8 | 4.5 | 2.5 | 3.3 | 1.3 | <1 | 2.4 | 1.9 | 2.3 | 1.2 | <1 | <1 | 1.5 | 1.9 | 1.7 | 2.9 | 1.7 | <1 | <1 | 1.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 4.0 | 4.6 | 4.7 | 4.4 | 4.0 | 3.0 | 3.8 | 3.6 | 3.5 | 2.7 | 3.5 | 3.2 | 3.7 | 3.6 | 3.4 | 4.3 | 3.6 | 2.9 | 3.2 | 3.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 22 | 21 | 15 | 15 | 12 | 16 | 14 | 12 | 12 | 8.5 | 11 | 11 | 12 | 12 | 13 | 13 | 11 | 7.0 | 9.3 | 11 |
| Total Concentration of VOCs | | 22 | 21 | 15 | 15 | 12 | 16 | 14 | 12 | 12 | 8.5 | 11 | 11 | 12 | 12 | 13 | 13 | 11 | 7.0 | 9.3 | 11 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-95-14[T] (Cont'd) | | | | | | | 7-92-16 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-11 | Jul-11 | Aug-11 | Nov-11[T] | Feb-12 | May-12[T] | Jul-12* | Dec-92 | Mar-93 | May-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94* | Aug-94 | Sep-94 | Dec-94* | Feb-95* | May-95* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | 1.7 | 1.8 | <1 | 1.8 | 1.1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | 5.5 | 7.1 | <1 | <1 | <1 | 15.2 | <1 | 20000 | <1 | <1 | 1.0 | <0.5 | <3 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | 12 | 12.2 | 6.2 | 6.5 | <1 | <1 | <1 | 6900 | <1 | <1 | 0.74 | 0.63 | 3 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | 4 | 9.4 | 11.5 | 7.1 | 16.1 | 4.4 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | 2.6 | 4.5 | 4.8 | 1.1 | 1.8 | 3.2 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | 2.2 | 7.9 | 9.8 | 2.2 | 8.4 | 4.5 | <3000 | <1 | <1 | 0.53 | 0.51 | <3 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | 13.2 | 8.7 | 16.1 | <1 | 9.0 | 19.9 | 7.4 | 18000 | <1 | 12 | 0.73 | <0.5 | 4.3 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | 62.1 | 25.3 | 56.6 | 60.4 | 22.7 | 91.2 | 33.1 | 46000 | 1.1 | 14 | 4.4 | 2.6 | 26 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | 3.7 | 10.5 | 13.8 | 5.8 | 15.3 | 4.7 | 4400 | <1 | <1 | 0.54 | <0.5 | 3.0 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | 48.4 | 31.1 | 52.3 | 64.1 | 31.6 | <1 | 30.7 | 25000 | 1.1 | 40 | 2.6 | 1.7 | 18 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | 18.4 | 7.8 | 26.9 | 20.9 | 9.7 | 21.4 | 10.7 | 9200 | <1 | <1 | 1.3 | 0.82 | 11 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | 9.1 | <1 | 4.7 | 1.3 | <1 | 6.3 | 2.5 | <6000 | <1 | <1 | <1 | <1 | <6 |
| Total Aromatic Hydrocarbons | | | | | | | | | 168.7 | 104.7 | 196.8 | 194.9 | 89.2 | 197.4 | 102.3 | 129500 | 2.2 | 66 | 11.84 | 6.26 | 65.3 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <6000 | <2 | <2 | <0.5 | <0.5 | <6 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | 0.58 | <3 |
| Chloroform | 80 | 5.1 | 6.4 | 6.6 | 7.2 | 9.0 | 5.1 | 6.9 | 7.9 | 3.0 | 4.2 | 4.7 | 4.5 | 4.5 | 2.9 | <3000 | <1 | <1 | 3.8 | 4.8 | 3.2 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | 3.0 | <1 | <1 | <3000 | <1 | <1 | <0.5 | 0.51 | <3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | 1.7 | 2.7 | 2.0 | 1.7 | <1 | <3000 | <1 | <1 | 2.6 | 3.7 | <3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 14.9 | 3.1 | 11.8 | 13.4 | 12.5 | 11 | 2.6 | <3000 | <1 | <1 | <0.5 | 1.9 | <3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <1 | <1 | <6 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <6000 | <2 | <2 | <0.5 | <0.5 | <6 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <1 | <1 | <6 |
| Tetrachloroethene | 5 | 1.1 | 1.4 | <1 | <1 | <1 | 1.6 | 1.1 | <5 | 2.4 | 1.7 | 1.5 | 1.9 | 32.1 | 1.5 | <3000 | <1 | <1 | 1.3 | 2.3 | <3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | 1.3 | <0.5 | <3 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Trichloroethene | 5 | 2.6 | 2.7 | 2.5 | 2.4 | 3.0 | 2.7 | 2.8 | 12.8 | 7.5 | 12.5 | 15.1 | 13.4 | 10.7 | 7.1 | <3000 | <1 | <1 | 15 | 20 | 8.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 |
| Freon-123A | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | | | <3 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | 4.7 | 6.8 | 4.9 | <1 | 1.5 | <3000 | <1 | <1 | 1.6 | 1.1 | <3 |
| Total Halogenated Hydrocarbons | | 8.8 | 11 | 9.1 | 9.6 | 12 | 9.4 | 11 | 36 | 16 | 37 | 44 | 42 | 60 | 16 | | | | 26 | 35 | 12 |
| Total Concentration of VOCs | | 8.8 | 11 | 9.1 | 9.6 | 12 | 9.4 | 11 | 204 | 152≈ | 233 | 239 | 131 | 257 | 118 | 129,500 | 2.2 | 66 | 37 | 41 | 77 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-16 (Cont'd) May-95* | Aug-95 | Dec-95 | Mar-96 | (D)* | Aug-96 | Dec-96 | Mar-97 | Aug-97 | Feb-98 | Sep-98 | Nov-98 | Feb-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Mar-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <1 | <10 | <1 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <20 | <1 | <0.5 | 66.1 | <10 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | 0.57 | <1 | <10 | <1 | 2.2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | 133 | <10 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <20 | <2 | <0.5 | 110 | <10 | <1 | 1.2 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <20 | <2 | <1 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 0.57 | | | | 2.2 | 309.1 | | | 1.2 | | 3.4 | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <20 | <2 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 0.53 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 4.9 | <1 | <10 | 4.1 | 1.9 | <10 | <10 | 3.0 | 3.9 | 4.5 | 5.1 | 9.4 | 6.9 | 8.9 | 16.7 | 13.7 | 7.6 | 8.6 | 13.6 | 12.4 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <1 | <10 | <1 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.2 | <1 | <10 | <1 | 0.63 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <20 | <2 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.3 | <1 | <10 | 23 | 24 | <10 | <10 | <1 | 23.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.5 | <1 | <1 | <1 | 2.7 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21 | <1 | <10 | 16.4 | 17 | <10 | <10 | 4.1 | 11.3 | 4.6 | 4.8 | 9.3 | 6.5 | 6.3 | 8.3 | 9.7 | <1 | 5.5 | 8.9 | 6.9 |
| Freon-113 | 1200 | <0.5 | <5 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <10 | <1 | | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 0.78 | <1 | <10 | <1 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 38 | | | 44 | 44 | | | 7.1 | 39 | 9.1 | 9.9 | 19 | 13 | 15 | 25 | 28 | 7.6 | 14 | 23 | 22 |
| Total Concentration of VOCs | | 40≈ | | | 44 | 46 | 309 | | 7.1 | 40 | 9.1 | 13 | 19 | 13 | 15 | 25 | 28 | 7.6 | 14 | 25≈ | 22 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-92-16 (Cont'd) May-01 | Aug-01 | Nov-01 | Jan-02 | May-02 | Jul-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Feb-06 | Oct-06 | Sep-07* | Oct-07 | Aug-08 | Nov-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | 5.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | 1.1 | 9.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | 1.4 | 11.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | |
| Naphthalene | | <2 | <2 | 5.5 | 38.6 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | 2.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | 9.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | 1.1 | 8.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 9.1 | 85.7 | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | 10.2 | 10.4 | 10.5 | 9.5 | 13.5 | 10 | 13.1 | 14.3 | 19 | 14.1 | 25.7 | 14.4 | 18.3 | 18.1 | 16.7 | 10 | 11 | 11.8 | 8.6 | 8.9 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | .<1 | .<1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | 7.0 | 46.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | 1.6 | <1 | 1.2 | <1 | <1 | 1.2 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | 4.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.5 | 6.7 | 5.8 | 5.2 | 7.5 | 6.1 | 9.9 | 5.6 | 3.0 | <1 | <1 | <1 | <1 | 2.1 | 1.6 | 4.3 | 4.6 | 3.5 | 3.8 | 2.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 16 | 19 | 23 | 66 | 21 | 16 | 24 | 21 | 22 | 14 | 26 | 14 | 18 | 20 | 18 | 14 | 16 | 15 | 12 | 11 |
| Total Concentration of VOCs | | 16 | 19 | 32 | 165≈ | 21 | 16 | 24 | 21 | 22 | 14 | 26 | 14 | 18 | 20 | 18 | 14 | 16 | 15 | 12 | 11 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-16 (Cont'd) | | | | | | | | 7-92-19 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-09 | Oct-09 | Aug-10* | Nov-10* | Aug-11 | Nov-11 | Sep-12 | (D)* | Dec-92 | Feb-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | (D)* | Jun-94 | Aug-94 | Sep-94 | Nov-94* | Feb-95* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| n-Butylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Isopropylbenzene | | <2 | <2 | | | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 2.8 | <30 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| n-Propylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Toluene | 150 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | 2.6 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <50 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 2.6 | | | | | | 2.8 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Bromoform | 80 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <60 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 9.7 | 17.5 | 5 | 3.8 | 8.1 | 2.4 | <10 | <1 | 3.6 | 2.0 | <30 | 18 |
| Chloroform | 80 | 8.0 | 9.9 | 5.8 | 7.4 | 7.8 | 12.2 | 5.7 | 6.9 | 13 | 4.1 | 3.4 | 2.8 | 4.1 | 2.0 | <10 | <1 | 1.3 | 1.5 | <30 | 5.9 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 13.9 | 9.9 | 17.2 | 11.7 | 7.1 | 13.1 | <10 | 7.5 | 4.4 | 2.4 | <30 | 6.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 27.6 | 12.8 | 18.9 | 10.3 | 10 | 10.9 | 10 | 4.2 | 4.9 | 2.8 | <30 | 19 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 162.3 | 295 | 342.9 | 281 | 234.9 | 304 | 340 | 190.7 | 198.9 | 122.2 | 160 | 160 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 16.9 | 8.6 | 11 | 3.4 | 7.0 | 6.0 | <10 | 4.1 | 5.9 | 3.5 | <30 | 6.2 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <50 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <60 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | 0.89 | 0.5 | <1 | <1 | <1 | <0.5 | 539.9 | 1217 | 782.8 | 743.5 | 864.9 | 1123 | 1000 | 444.5 | 1005.2 | 405.2 | 790 | 990 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | 1.2 | 1.7 | 1.2 | 1.0 | 1.4 | <10 | <1 | <1 | <1 | <30 | 0.87 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | <0.5 |
| Trichloroethene | 5 | 3.1 | 2.9 | 4.2 | 3.9 | 1.7 | 1.5 | 1.0 | 1.2 | 309.4 | 469.9 | 298.6 | 278.3 | 350.8 | 487.6 | 410 | 173.6 | 366.6 | 258.3 | 400 | 400 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.6 | 1.4 | 3.1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | 1.4 |
| Freon-123A | | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <30 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | 23.7 | 25.9 | 25.2 | 11.8 | 7.9 | 18 | <10 | 13.1 | <1 | <1 | <30 | 11 |
| Total Halogenated Hydrocarbons | | 11 | 13 | 11 | 12 | 9.5 | 14 | 6.7 | 8.1 | 1,116 | 2,063 | 1,510 | 1,348 | 1,496 | 1,968 | 1,760 | 838 | 1,591 | 798 | 1,350 | 1,619 |
| Total Concentration of VOCs | | 11 | 13 | 11 | 12 | 9.5 | 14 | 6.7 | 8.1 | 1,116 | 2,063 | 1,510 | 1,353≈ | 1,496 | 1,968 | 1,760 | 838 | 1,591 | 801 | 1,350 | 1,619 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-19 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-95* | May-95* | Aug-95 | (D)* | Sep-95 | Nov-95 | Mar-96 | Jun-96 | Sep-96* | (D) | Nov-96 | Mar-97 | Apr-97 | Jun-97 | Sep-97 | Dec-97 | (D) | Mar-98 | Jun-98 | Sep-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | Trace | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <5 | <25 | <5 | <50 | <5 | <5 | <50 | <50 | <50 |
| Naphthalene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Toluene | 150 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <10 | <1 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Bromoform | 80 | <0.5 | <0.5 | <2 | <0.5 | <4 | <2 | <2 | <10 | <0.5 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | 6.4 | 4.7 | 5.8 | 5.3 | 5.1 | 4.4 | 4.7 | <5 | 4.0 | 2.4 | <5 | <1 | <5 | 3.2 | <10 | <1 | <1 | <10 | <10 | <10 |
| Chloroform | 80 | 2.8 | 2.2 | 3.0 | 2.9 | <2 | 2.9 | 6.5 | <5 | 2.7 | <1 | <5 | <1 | <5 | 2.6 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 4.8 | 6.7 | <1 | 5.4 | 8.0 | 4.4 | 14.5 | 6.5 | 3.4 | 2.9 | <5 | <1 | 5.2 | 1.9 | <10 | 5.1 | 4.9 | <10 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 7.2 | 6.2 | 9.6 | 6.6 | 9.5 | 6.5 | 11.5 | 7.1 | 5.3 | 3.7 | <5 | <1 | 5.2 | 2.7 | <10 | 3.7 | 3.5 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | 170 | 180 | 242 | 200 | 259 | 194 | 385 | 242 | 150 | 143 | 126 | 212 | 248 | 110 | 110 | 211 | 195 | 224 | 175 | 101 |
| trans-1,2-Dichloroethene | 10 | 5.8 | 75 | 15.7 | 13 | 6.5 | 8.8 | 7.9 | 6.2 | 10 | 8.8 | 5.8 | 7.2 | 7 | 9.6 | <10 | 6.4 | 6.2 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <2 | <0.5 | <4 | <2 | <2 | <10 | <0.5 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 670 | 840 | 1080 | 1000 | 1300 | 1030 | 1570 | 1510 | 940 | 1130 | 648 | 749 | 1230 | 664 | 713 | 1080 | 924 | 946 | 962 | 1250 |
| 1,1,1-Trichloroethane | 200 | <0.5 | 0.63 | <1 | <0.5 | <2 | <1 | <1 | <5 | 1.4 | <1 | <5 | <1 | <5 | <1 | <10 | 1.2 | 1.2 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 280 | 300 | 405 | 430 | 418 | 363 | 450 | 316 | 390 | 455 | 286 | 386 | 452 | 300 | 311 | 384 | 334 | 431 | 336 | 356 |
| Freon-113 | 1200 | <0.5 | <0.5 | <5 | <0.5 | <2 | <1 | 2.0 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Freon-123A | | | | <1 | | <2 | <1 | <1 | <5 | | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 2.4 | 5.0 | 9.5 | 6.9 | <2 | <1 | 6.9 | <5 | 2.0 | 1.2 | <5 | <1 | <5 | 3.8 | <10 | 4.5 | 4.4 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 1,149 | 1,420 | 1,771 | 1,670 | 2,006 | 1,614 | 2,459 | 2,088 | 1,509 | 1,747 | 1,066 | 1,354 | 1,947 | 1,098 | 1,134 | 1,696 | 1,473 | 1,601 | 1,473 | 1,707 |
| Total Concentration of VOCs | | 1,149 | 1,420 | 1,771 | 1,670 | 2,006 | 1,614 | 2,459 | 2,088 | 1,509 | 1,747 | 1,066 | 1,354 | 1,947 | 1,098 | 1,134 | 1,696 | 1,473 | 1,601 | 1,473 | 1,707 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-19 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-98 | Mar-99 | Jun-99 | (D) | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | Jun-01 | Sep-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Jul-03 | Aug-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <500 | <50 | <50 | <50 | <50 | <50 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Chloroform | 80 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <30 | <30 | <3 | <300 | <30 | <30 | <30 | <30 | <30 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | 2.0 | <10 | <10 | <10 | <10 | <10 | <10 | 1.7 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | 1.2 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 155 | 181 | 130 | 132 | 52.9 | 50 | 115 | 91.1 | 37 | 41.4 | 95.7 | <100 | 29.7 | 27.9 | 48.7 | 44.9 | 24.6 | 47.9 | 65.9 | 56.3 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | 4.7 | 6.8 | 6.2 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 935 | 976 | 1030 | 1030 | 966 | 962 | 768 | 790 | 1277.4 | 1702.9 | 1100 | 884.6 | 1114 | 1141.9 | 550.5 | 576.8 | 613.6 | 471 | 625 | 642 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <1 | <10 | <10 | 27.6 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 270 | 288 | 205 | 172 | 235 | 147 | 165 | 138 | 150.5 | 188.2 | 143.8 | <100 | 162.4 | 169 | 102.1 | 117 | 113.2 | 128 | 185 | 164 |
| Freon-113 | 1200 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 | 1.3 | <1 |
| Total Halogenated Hydrocarbons | | 1,360 | 1,445 | 1,365 | 1,337 | 1,254 | 1,159 | 1,076 | 1,019 | 1,465 | 1,933 | 1,341 | 885 | 1,306 | 1,339 | 701 | 739 | 751 | 652 | 884 | 869 |
| Total Concentration of VOCs | | 1,360 | 1,445 | 1,365 | 1,337 | 1,254 | 1,159 | 1,076 | 1,019 | 1,465 | 1,933 | 1,341 | 885 | 1,306 | 1,339 | 701 | 739 | 751 | 652 | 884 | 869 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-92-19 (Cont'd) Sep-03 | Dec-03 | Dec-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Mar-06* | May-06 | Jul-06 | Oct-06 | Dec-06 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Oct-07 | Dec-07 | Feb-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 57.7 | 59.7 | 58.6 | 48.3 | 6.4 | 2.2 | 1.8 | <1 | 0.71 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 4.8 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 936 | 503 | 632 | 344 | 66.5 | 38.5 | 31.6 | 7.7 | 17 | 19.3 | 6.5 | 6.2 | 8.0 | 5.3 | 6.6 | 5.8 | 3.2 | 2.5 | 2.3 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 176 | 92.9 | 94.8 | 72.2 | 14.1 | 6.1 | 5.6 | 1.3 | 3.4 | 7.1 | 1.2 | <1 | 1.7 | <1 | 1.6 | 1.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,175 | 656 | 785 | 465 | 87 | 47 | 39 | 9.0 | 21 | 26 | 7.7 | 6.2 | 9.7 | 5.3 | 8.2 | 7.3 | 3.2 | 2.5 | 2.3 | 1.5 |
| Total Concentration of VOCs | | 1,175 | 656 | 785 | 465 | 87 | 47 | 39 | 9.0 | 21 | 26 | 7.7 | 6.2 | 9.7 | 5.3 | 8.2 | 7.3 | 3.2 | 2.5 | 2.3 | 1.5 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-92-19 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-08 | Jun-08 | Aug-08 | Oct-08 | Dec-08* | Feb-09 | Apr-09 | Jun-09 | Aug-09 | Oct-09 | Jan-10 | Feb-10 | Mar-10 | May-10 | Aug-10 | Oct-10 | Dec-10 | Feb-11 | Apr-11 | Jun-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.2 | 1.2 | 2.1 | <1 | 1.3 | <1 | <1 | 1.1 | 1.9 | 1.7 | <1 | <1 | 1.0 | <1 | <1 | 1.5 | 1.7 | <1 | 1.3 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.2 | 1.2 | 2.1 | | 1.3 | | | 1.1 | 1.9 | 1.7 | | | 1.0 | | | 1.5 | 1.7 | | 1.3 | |
| Total Concentration of VOCs | | 1.2 | 1.2 | 2.1 | | 1.3 | | | 1.1 | 1.9 | 1.7 | | | 1.0 | | | 1.5 | 1.7 | | 1.3 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-92-19 (Cont'd) | | | | | | | 7-94-3 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Jun-94* | (D) ^ | Aug-94 | Dec-94* | Feb-95* | Mar-95* | May-95* | Jul-95 | Aug-95 | Sep-95 | Nov-95 | Mar-96 | Jun-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <6 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <6 | <20 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.1 | <5 | 1.4 | 1.7 | 1.6 | 1.7 | 1.4 | 2.4 | 2.7 | 1.9 | 2.4 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 9.8 | 9.0 | 3.5 | 3.5 | 3.1 | 3.7 | 2.7 | 4.7 | 5.9 | 5.3 | 4.4 | 3.9 | 3.0 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | 1.5 | 0.74 | 0.84 | 0.63 | <0.5 | <1 | 1.9 | 1.6 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 4.3 | <5 | <1 | 0.59 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 24 | 22 | 10.7 | 11 | 10 | 12 | 8.3 | 11.4 | 17.8 | 14.6 | 8.2 | 5.9 | 8.4 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.2 | 5.0 | 2.5 | 3.6 | 4.6 | 3.5 | 3.7 | 4.7 | 3.9 | 2.8 | 3.3 | 5.8 | 3.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | 4.7 | 6.6 | 4.6 | 5.1 | 2.0 | 2.9 | 2.8 | 2.4 | 7.1 | 3.7 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <6 | <20 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | <1 | 1.1 | <1 | <1 | 1.5 | <1 | 89 | 81 | 81.3 | 110 | 84 | 110 | 92 | 89.9 | 88.6 | 69.2 | 115 | 156 | 111 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | 1.4 | 0.67 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 1.8 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 96 | 91 | 81.3 | 62 | 53 | 64 | 47 | 56 | 58.8 | 51.9 | 63.5 | 38.9 | 35.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | | 3.1 | 0.99 | 0.9 | 0.59 | <0.5 | <5 | <5 | <5 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | <3 | <10 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <10 | <1 | 3 | <0.5 | 1.0 | 1.1 | <1 | <1 | <1 | <1 | 5.6 | <1 |
| Total Halogenated Hydrocarbons | | 1.7 | | 1.1 | | | 1.5 | | 230 | 208 | 185 | 203 | 166 | 202 | 161 | 171 | 183 | 150 | 199 | 225 | 164 |
| Total Concentration of VOCs | | 1.7 | | 1.1 | | | 1.5 | | 230 | 208 | 185 | 204≈ | 166 | 202 | 161 | 171 | 183 | 150 | 199 | 225 | 164 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-94-3 (Cont'd) Aug-96 | Nov-96 | Mar-97 | Jun-97 | Dec-97 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Dec-00 | Mar-01 | May-01 | Sep-01 | Dec-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.0 | 1.0 | 2.0 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.5 | <1 |
| Chloroform | 80 | 4.0 | 4.4 | 3.2 | 2.4 | <1 | <1 | <10 | 1.1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | 3.5 | <3 |
| 1,1-Dichloroethane | 5 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 8.7 | 8.3 | 6.6 | 3.9 | 2.4 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | 6.8 | 3.3 |
| cis-1,2-Dichloroethene | 6 | 2.1 | 1.6 | <1 | 1.4 | 2.6 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 2.4 | 1.6 | <1 | 1.9 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | 1.6 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 105 | 105 | 83.8 | 123 | 1810 | 519 | 1030 | 589 | 401 | 378 | 182 | 162 | 328 | 221 | 87.7 | 147.4 | 73.9 | 116.5 | 197.6 | 222.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | 5.2 | 1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 52.5 | 53.7 | 41.3 | 36.5 | 32.3 | 7.2 | 12.6 | 4.8 | 6.3 | 5.8 | 4.9 | 2.8 | 5.2 | 3.3 | 1.8 | 5.4 | 4.9 | 9.8 | 32.1 | 21.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 178 | 177 | 137 | 169 | 1,853 | 527 | 1,043 | 595 | 407 | 385 | 187 | 165 | 333 | 224 | 90 | 153 | 79 | 130 | 243 | 248 |
| Total Concentration of VOCs | | 178 | 177 | 137 | 169 | 1,853 | 527 | 1,043 | 595 | 407 | 385 | 187 | 165 | 333 | 224 | 90 | 153 | 79 | 130 | 243 | 248 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-94-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-02 | May-02 | Sep-02 | Feb-03 | Sep-03 | Mar-04 | Aug-04 | Feb-05 | Sep-05 | Oct-05 | Jan-06 | Mar-06 | May-06 | Jul-06 | Oct-06 | Dec-06 | Feb-07 | Apr-07 | Jun-07 | Aug-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | 2.3 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 3.9 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | 1.2 | 1.3 | 1.4 | 2.4 | 1.4 | 2.6 | <1 | 2.2 | 1.9 | 1.3 | 1.4 | 2.0 | 1.0 | <1 | 1.2 | 1.3 | <1 | 1.1 | 1.0 |
| Chloroform | 80 | <3 | 4.9 | 6.1 | 3.2 | 6.7 | 3.5 | 5.6 | <3 | 7.8 | 5.6 | 3.6 | <3 | 3.9 | <3 | <3 | 3.1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 2.7 | 3.5 | <1 | 2.6 | 1.9 | 1.6 | <1 | 1.4 | 1.3 | 1.8 | <1 | 1.7 | <1 | <1 | 1.7 | 1.6 | <1 | 1.1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.8 | 9.0 | 14.6 | 5.4 | 12.6 | 10 | 12.2 | 3.4 | 8.8 | 8.9 | 10.2 | 5.2 | 8.4 | 4.0 | 4.1 | 7.7 | 6.9 | <1 | 5.1 | 4.1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.8 | 2.4 | <1 | 3.4 | 2.4 | 1.8 | <1 | <1 | <1 | 2.5 | <1 | 2.5 | 1.9 | 2.6 | 2.1 | 2.4 | 13.4 | 3.3 | 3.3 |
| trans-1,2-Dichloroethene | 10 | 1.4 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.2 | 2.5 | 2.2 | 1.7 | 2.2 | 3.0 | 6.9 | 2.9 | 7.6 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 128.9 | 106.2 | 157.9 | 102 | 202 | 99.2 | 99 | 43.3 | 82.7 | 54.8 | 87.2 | 59.2 | 71.1 | 52.5 | 40.9 | 66 | 69 | 25.2 | 40.5 | 43 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 23.9 | 32 | 38.3 | 30.7 | 58.3 | 34.8 | 43.3 | 16.1 | 37 | 29.9 | 36 | 21.3 | 32.3 | 20.1 | 18.8 | 25.9 | 25.3 | 8.1 | 17 | 16.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 158 | 158 | 224 | 144 | 288 | 153 | 166 | 63 | 140 | 102 | 143 | 90 | 124 | 82 | 68 | 110 | 110 | 54 | 71 | 75 |
| Total Concentration of VOCs | | 158 | 158 | 224 | 144 | 292 | 153 | 166 | 63 | 140 | 102 | 143 | 90 | 124 | 82 | 68 | 110 | 110 | 54 | 71 | 75 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-94-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-07 | Dec-07 | Feb-08 | Apr-08 | Jun-08 | Aug-08 | Oct-08 | Dec-08* | Feb-09 | Apr-09 | Jun-09 | Aug-09 | (D)* | Oct-09 | Jan-10 | Mar-10 | May-10 | Aug-10 | Oct-10 | Dec-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | 0.69 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | 1.1 | <1 | <1 | 1.0 | 1.1 | <1 | 1.2 | <1 | 1.1 | 1.2 | 1.6 | 1.5 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 3.0 | <3 | <3 | 2.6 | <3 | <3 | <3 | <3 | 2.7 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.6 | <1 | <1 | 1.6 | <1 | 1.2 | 1.3 | <1 | 1.1 | <1 | <1 | 0.99 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.6 | 6.8 | <1 | 3.2 | 7.9 | 3.3 | 7.1 | 7.9 | 2.1 | 5.7 | 3.9 | 4.4 | 5.5 | 3.2 | 6.6 | 4.6 | 5.1 | 4.3 | 2.6 | 4.0 |
| cis-1,2-Dichloroethene | 6 | 28.6 | 3.4 | 2.0 | 5 | 3.9 | 1.7 | 3.3 | 3.0 | 1.7 | 2.3 | 1.7 | 1.8 | 2.0 | 3.6 | 2.6 | 2.8 | 2.1 | 3.0 | 2.8 | 2.2 |
| trans-1,2-Dichloroethene | 10 | 10.3 | 5.1 | 6.9 | 4.6 | 5.2 | <1 | 5.4 | 4.8 | 4.5 | 3.2 | 3.4 | 3.3 | 4.1 | 8.6 | 4.0 | 3.1 | 2.5 | 4.8 | 5.2 | 4.2 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 34.5 | 65.5 | 14.6 | 39.6 | 62.6 | 53.6 | 65.6 | 72 | 24.2 | 46.7 | 36.8 | 40.8 | 47 | 27.5 | 40.9 | 35.3 | 33.3 | 35.5 | 35.4 | 32.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 13.6 | 26.4 | 6.8 | 15.6 | 27.5 | 19.6 | 26.3 | 29 | 10.4 | 23.1 | 16.2 | 20.1 | 25 | 13.6 | 20.7 | 18.3 | 18.5 | 20.3 | 18.5 | 17.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 90 | 110 | 30 | 68 | 113 | 79 | 109 | 122 | 43 | 83 | 63 | 72 | 89 | 57 | 75 | 64 | 63 | 69 | 65 | 60 |
| Total Concentration of VOCs | | 90 | 110 | 30 | 68 | 113 | 79 | 109 | 122 | 43 | 83 | 63 | 72 | 89 | 57 | 75 | 64 | 63 | 69 | 65 | 60 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-94-3 (Cont'd) | | | | | | | | | | | | 7-95-22 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-11 | Apr-11 | Jun-11 | Aug-11 | (D)* | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | (D)* | Aug-95(G) | Nov-95 | Mar-96 | Jun-96 | Sep-96 | (D)* | Nov-96 | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <100 | <1 | <1 | <100 | <2 | <700 | <20 | <3000 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <100 | <1 | <1 | <100 | <2 | <700 | <20 | <3000 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | 8.8 | <1 | <100 | <1 | <700 | <10 | <3000 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <2 | <200 | <1 | <700 | <10 | <3000 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <100 | <2 | <2 | <200 | <2 | <2000 | <20 | <6000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 8.8 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <100 | <2 | <2 | <200 | <2 | <700 | <20 | <3000 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.83 | 236 | 708 | 28.6 | 120 | 154 | <700 | 207 | <3000 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 0.79 | <3 | <3 | <3 | <3 | <3 | <3 | 1.6 | <100 | 51.4 | 7.0 | <100 | 27.6 | <700 | 26.3 | <3000 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.1 | <1 | <1 | <1 | <1 | 0.73 | <100 | 11.9 | 1.2 | <100 | 9.6 | <700 | <10 | <3000 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <100 | <1 | <1 | <100 | <2 | <700 | <20 | <3000 |
| 1,1-Dichloroethene | 6 | 5.3 | 3.6 | 3.6 | <1 | 1.2 | 4.7 | 4.7 | 1.5 | 3.0 | 1.6 | 4.2 | 4.7 | 198 | 525 | 24.8 | 180 | 146 | <700 | 190 | <3000 |
| cis-1,2-Dichloroethene | 6 | 2.4 | 1.5 | 1.7 | <1 | 2.0 | 1.8 | 2.3 | 2.1 | 1.8 | 2.2 | 1.9 | 2.2 | <100 | 109 | 12.4 | 110 | 106 | <700 | 78.5 | <3000 |
| trans-1,2-Dichloroethene | 10 | 4.0 | 3.3 | 3.1 | 4.2 | 4.9 | 2.4 | 3.5 | 6.4 | 3.8 | 5.2 | 3.3 | 4.0 | <100 | <1 | <1 | <100 | 1.5 | <700 | <10 | <3000 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 11.5 | <1 | <100 | 3.8 | <2000 | <10 | <6000 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <100 | 84.6 | <1 | <100 | 56.6 | <700 | <20 | <3000 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| Tetrachloroethene | 5 | 35.6 | 30.9 | 26.6 | 15 | 21 | 27 | 37.6 | 16.3 | 25.1 | 18.8 | 30.4 | 29 | 21800 | 46400 | 37000 | 21900 | 21240 | 32000 | 28200 | 35000 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | 213 | 23.3 | 200 | 168 | <700 | 257 | <3000 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <1 | <1 | <100 | 4.4 | <700 | <10 | <3000 |
| Trichloroethene | 5 | 19.9 | 16.1 | 14.6 | 7.3 | 9.8 | 16.1 | 20.8 | 9.1 | 13.1 | 9.1 | 16.7 | 18 | 4820 | 12600 | 6640 | 3525 | 4120 | 6300 | 4350 | 5700 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <500 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| Freon-123A | | | | | | | | | | | | | | <100 | <1 | <1 | <100 | <1 | <700 | <10 | <3000 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | 5.6 | <1 | <100 | <1 | <700 | <10 | <6000 |
| Total Halogenated Hydrocarbons | | 67 | 55 | 50 | 27 | 40 | 52 | 70 | 35 | 47 | 37 | 57 | 61 | 27,054 | 60,720 | 43,737 | 26,035 | 26,038 | 38,300 | 33,309 | 40,700 |
| Total Concentration of VOCs | | 67 | 55 | 50 | 27 | 40 | 52 | 70 | 35 | 47 | 37 | 57 | 61 | 27,054 | 60,729 | 43,737 | 26,035 | 26,038 | 38,300 | 33,309 | 40,700 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-95-22(Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-97 | (D)* | Jun-97 | (D)* | Sep-97 | (D)* | Dec-97 | (D)* | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | (D)* | Jun-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| n-Butylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| sec-Butylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| ter-Butylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 0.71 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Ethylbenzene | 300 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Isopropylbenzene | | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 | <200 |
| p-Isopropyltoluene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <2500 | <2500 | <500 | <100 | <500 | <100 | <500 | <0.5 | <250 | <500 | <500 | <50 | <500 | <0.5 | <500 | <2500 | <1000 | <50 | <500 | <500 |
| Naphthalene | | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 | <200 |
| n-Propylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Toluene | 150 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 1.7 | <50 | <100 | <100 | <10 | <100 | 0.54 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Xylenes, total | 1750 | <1000 | <1000 | <200 | <200 | <200 | <200 | <200 | <1 | <100 | <200 | <200 | <20 | <200 | <1 | <200 | <1000 | <400 | <20 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | 2.41 | | | | | | 0.54 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Bromoform | 80 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | 1.4 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 | <200 |
| Carbon Tetrachloride | 0.5 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 55 | 69.4 | <100 | <100 | 43.5 | <100 | 39 | <100 | <500 | <200 | <10 | <100 | <100 |
| Chloroform | 80 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 7.3 | <50 | <100 | <100 | <10 | <100 | 7.5 | <100 | <500 | <200 | <10 | <300 | <300 |
| 1,1-Dichloroethane | 5 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 4.5 | <50 | <100 | <100 | <10 | <100 | 3.8 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | 0.5 | <200 | <1000 | <400 | <20 | <200 | <200 |
| 1,1-Dichloroethene | 6 | <500 | <500 | 103 | 160 | 111 | 130 | <100 | 99 | 113 | <100 | <100 | 62.3 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | <500 | <500 | 2320 | 4400 | 1720 | 610 | 502 | 740 | 490 | 333 | 309 | 212 | 321 | 330 | 174 | <500 | <200 | <10 | 149 | <100 |
| trans-1,2-Dichloroethene | 10 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 1.3 | <50 | <100 | <100 | <10 | <100 | 15 | <100 | <500 | <200 | <10 | <100 | <100 |
| Methylene Chloride | 5 | <500 | <1000 | <100 | <200 | <100 | <200 | <100 | 1.2 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | 31 | <100 | <200 | <200 | <20 | <200 | 18 | <200 | <1000 | <400 | <20 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Tetrachloroethene | 5 | 18800 | 18000 | 17600 | 19000 | 17600 | 27000 | 14200 | 20000 | 18200 | 14800 | 12800 | 12300 | 9230 | 8900 | 8520 | 7400 | 7540 | 510 | 2410 | 3398.8 |
| 1,1,1-Trichloroethane | 200 | <500 | <500 | <100 | 100 | <100 | 150 | <100 | 89 | 69.4 | <100 | <100 | 31.1 | <100 | 25 | <100 | <500 | <200 | <10 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 2.6 | <50 | <100 | <100 | <10 | <100 | 1.9 | <100 | <500 | <200 | <10 | <100 | <100 |
| Trichloroethene | 5 | 2460 | 2700 | 3130 | 4000 | 2930 | 3100 | 1640 | 2200 | 3450 | 2240 | 1750 | 1440 | 1110 | 1500 | 1010 | 1750 | 1290 | 57.3 | 408 | 547.3 |
| Freon-113 | 1200 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Freon-123A | | <500 | <500 | <100 | <100 | <100 | <100 | <100 | | <50 | <100 | <100 | <10 | <100 | | <100 | <500 | <200 | <10 | <100 | <100 |
| Vinyl Chloride | 0.5 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 21,260 | 20,700 | 23,153 | 27,660 | 22,361 | 30,990 | 16,342 | 23,232 | 22,392 | 17,373 | 14,859 | 14,089 | 10,661 | 10,841 | 9,704 | 9,150 | 8,830 | 567 | 2,967 | 3,946 |
| Total Concentration of VOCs | | 21,260 | 20,700 | 23,153 | 27,660 | 22,361 | 30,990 | 16,342 | 23,235 | 22,392 | 17,373 | 14,859 | 14,089 | 10,661 | 10,841 | 9,704 | 9,150 | 8,830 | 567 | 2,967 | 3,946 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-22(Cont'd) (D)* | Nov-00 | Dec-00 | Dec-00* | Mar-01 | (D)* | Apr-01 | Jun-01 | Sep-01 | (D)* | Dec-01 | Mar-02 | Jun-02 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03 | Aug-03 | Sep-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <500 | <1000 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <0.5 | <500 | <500 | <50 | <500 | <50 | <500 | <50 | <5 | <5 | <5 |
| Naphthalene | | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <100 | <200 | <400 | <1 | <200 | <1 | <200 | <20 | <200 | <1 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Bromoform | 80 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <50 | <100 | <200 | 11 | <100 | 28 | <100 | 19.8 | <100 | 9.0 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | 4.5 | 7.8 | 4.6 |
| Chloroform | 80 | <50 | <300 | <600 | 3.0 | <300 | 3.8 | <300 | <10 | <300 | 3.4 | <300 | <300 | <10 | <300 | <10 | <300 | <10 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <50 | <100 | <200 | 0.94 | <100 | 1.1 | <100 | <10 | <100 | 0.69 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <50 | <100 | <200 | 13 | <100 | 16 | <100 | 16 | <100 | 7.2 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | 2.2 | 5.9 | <1 |
| cis-1,2-Dichloroethene | 6 | 92 | <100 | <200 | 54 | <100 | 78 | <100 | 210.3 | 106.6 | 110 | <100 | <100 | 76.7 | <100 | 51.2 | <100 | 13.8 | 19.4 | 26.6 | 11.3 |
| trans-1,2-Dichloroethene | 10 | <50 | <100 | <200 | 2.2 | <100 | 2.4 | <100 | <10 | <100 | 12 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <100 | <100 | <200 | <1 | <100 | <1 | <100 | <10 | <100 | <1 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <50 | <200 | <400 | 4.3 | <200 | 5.4 | <200 | <20 | <200 | 4.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | 2.2 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3900 | 3509.6 | 3783.9 | 980 | 4019.3 | 3300 | 2594.1 | 3165.5 | 2654.3 | 2700 | 1445.7 | 1760.2 | 1805.3 | 1784.3 | 1596.8 | 583 | 535 | 943 | 1390 | 595 |
| 1,1,1-Trichloroethane | 200 | <50 | <100 | <200 | 2.5 | <100 | 2.6 | <100 | <10 | <100 | 1.6 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <50 | <100 | <200 | 0.66 | <100 | 0.63 | <100 | <10 | <100 | 0.69 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 590 | 580.7 | 566.3 | 190 | 813.1 | 610 | 567.4 | 839 | 518.6 | 500 | 276.9 | 414.4 | 308.2 | 316.6 | 190.7 | 104 | 104 | 172 | 326 | 145 |
| Freon-113 | 1200 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Freon-123A | | <50 | <100 | <200 | | <100 | | <100 | <10 | <100 | | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4,582 | 4,090 | 4,350 | 1,262 | 4,832 | 4,048 | 3,162 | 4,251 | 3,280 | 3,349 | 1,723 | 2,175 | 2,190 | 2,101 | 1,839 | 687 | 653 | 1,143 | 1,756 | 756 |
| Total Concentration of VOCs | | 4,582 | 4,090 | 4,350 | 1,262 | 4,832 | 4,048 | 3,162 | 4,251 | 3,280 | 3,349 | 1,723 | 2,175 | 2,190 | 2,101 | 1,839 | 687 | 653 | 1,143 | 1,756 | 756 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-22 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-03 | Jan-04 | Mar-04 | May-04 | Aug-04 | Oct-04 | Oct-04 | Oct-04 | Nov-04 | Nov-04 | Feb-05 | May-05* | Aug-05 | Oct-05 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | 8.7 | 3.4 | 4.3 | 3.1 | <10 | 1.9 | 3.2 | 4.3 | 4.8 | 5.5 | 12.7 | 4.4 | 7.8 | 2.3 | <10 | 3.3 | 1.8 | 4.4 |
| Chloroform | 80 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | 0.53 | <1 | <3 | <3 | <3 | <30 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | 3.8 | 1.7 | 3.3 | <1 | <10 | <1 | <1 | 2.3 | 2.0 | 1.8 | 6.1 | 2.1 | 3.9 | <1 | <10 | <1 | <1 | 1.8 |
| cis-1,2-Dichloroethene | 6 | <10 | 13.8 | 12.2 | 8.4 | 9.0 | 4.4 | <10 | 4.8 | 6.9 | 15.8 | 8.0 | 5.1 | 15.3 | 4.5 | 4.6 | 1.7 | <10 | 2.3 | <1 | 5.2 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | 0.89 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 419 | 546 | 644 | 330 | 370 | 212 | 164 | 196 | 279 | 285 | 296 | 270 | 666 | 258 | 294 | 121 | 96.6 | 149 | 85.4 | 270 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 139 | 187 | 252 | 106 | 135 | 67.4 | 42.9 | 58.6 | 72.5 | 114 | 142 | 130 | 293 | 112 | 136 | 46.3 | 40.7 | 66.2 | 29.5 | 133 |
| Freon-113 | 1200 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 558 | 747 | 921 | 450 | 522 | 287 | 207 | 261 | 362 | 421 | 453 | 414 | 993 | 381 | 446 | 171 | 137 | 221 | 117 | 414 |
| Total Concentration of VOCs | | 558 | 747 | 921 | 450 | 522 | 287 | 207 | 261 | 362 | 421 | 453 | 414 | 993 | 381 | 446 | 171 | 137 | 221 | 117 | 414 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-22(Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | <5 | <25 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 4.2 | 3.7 | 2.0 | 2.6 | <5 | 2.0 | 2.6 | <5 | 1.6 | 1.7 | 3.3 | 4.3 | 1.2 | 4.7 | 2.0 | 2.1 | 3.2 | 1.5 | 2.9 | 1.1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <15 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.6 | 1.6 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | 1.8 | 2.1 | <1 | 2.1 | <1 | <1 | 1.2 | <1 | 1.1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.5 | 4.9 | 1.4 | 2.4 | 11.1 | 2.2 | 2.6 | 5.8 | 1.4 | 1.3 | 2.2 | 17.8 | <1 | 5.5 | <1 | 7.3 | 6.9 | 1.9 | 5.0 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | 0.54 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 200 | 200 | 83.7 | 114 | 204 | 100 | 147 | 82.8 | 81 | 135 | 154 | 183 | 49.7 | 247 | 103 | 111 | 132 | 65.2 | 152 | 46.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 93 | 100 | 31.4 | 50.8 | 138 | 43.7 | 56.5 | 61.7 | 31 | 30.1 | 53.6 | 84.1 | 12 | 113 | 28.8 | 64.8 | 69.6 | 22 | 93.2 | 16 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 302 | 311 | 119 | 170 | 353 | 148 | 209 | 150 | 115 | 168 | 215 | 291 | 63 | 372 | 134 | 185 | 213 | 91 | 254 | 64 |
| Total Concentration of VOCs | | 302 | 311 | 119 | 170 | 353 | 148 | 209 | 150 | 115 | 168 | 215 | 291 | 63 | 372 | 134 | 185 | 213 | 91 | 254 | 64 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-22(Cont'd) Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.6 | 1.4 | 2.4 | 3.7 | 2.6 | <1 | <1 | 2.1 | <1 | 0.95 | 1.6 | <1 | <1 | 1.0 | 1.4 | <1 | 1.2 | 2.0 | 1.3 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.5 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.2 | <1 | 7.5 | 6.2 | 9.9 | <1 | <1 | 3.4 | 8.8 | 1.1 | 4.0 | <1 | 1.9 | <1 | 3.3 | <1 | 4.5 | 3.4 | 5.4 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 168 | 61.3 | 111 | 190 | 157 | 27.7 | 114 | 122 | 73.2 | 55 | 89.5 | 43.7 | 38 | 45.1 | 63.7 | 28.1 | 67.8 | 112 | 71.7 | 15.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 103 | 21.7 | 70.8 | 105 | 54.1 | 5.8 | <1 | 47.7 | 35.1 | 18 | 35.8 | 12.4 | 15.2 | 15.2 | 25.2 | 6.3 | 35.3 | 51.8 | 33.2 | 3.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 283 | 84 | 192 | 307 | 224 | 34 | 114 | 175 | 117 | 75 | 131 | 56 | 55 | 61 | 94 | 34 | 109 | 169 | 112 | 19 |
| Total Concentration of VOCs | | 283 | 84 | 192 | 307 | 224 | 34 | 114 | 175 | 117 | 75 | 131 | 56 | 55 | 61 | 94 | 34 | 109 | 169 | 112 | 19 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-22(Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Aug-11 | Oct-11 | Dec-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.4 | <1 | <1 | <1 | 1.2 | <1 | <1 | 2.0 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6.0 | 4.0 | <1 | 2.4 | <1 | 3.0 | <1 | 2.0 | 9.5 | <1 | <1 | 5.1 | <1 | 1.8 | 1.7 | <1 | <1 | 1.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 63.8 | 38.1 | 36.8 | 24.2 | 60.6 | 45.2 | 42.8 | 103 | 30.1 | 25.4 | 36.5 | 49.5 | 37 | 65.4 | 22.8 | 39.1 | 34.7 | 3.7 | 2.4 | 35.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 30.3 | 13 | 14.9 | 7.9 | 24.2 | 15.3 | 18.4 | 39.5 | 10.5 | 6.8 | 15.3 | 17.8 | 14 | 26.9 | 8.0 | 13.2 | 14.8 | 1.0 | <1 | 12 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 100 | 51 | 54 | 32 | 89 | 61 | 63 | 154 | 41 | 32 | 57 | 67 | 53 | 94 | 31 | 52 | 51 | 4.7 | 2.4 | 47 |
| Total Concentration of VOCs | | 100 | 51 | 54 | 32 | 89 | 61 | 63 | 154 | 41 | 32 | 57 | 67 | 53 | 94 | 31 | 52 | 51 | 4.7 | 2.4 | 47 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-95-22(Cont'd) | | | | 7-95-23 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Jan-96(G) | Apr-96 | Jun-96^ | (D) | Sep-96 | (D)* | Nov-96 | (D)* | Mar-97 | (D)* | Jun-97 | Sep-97 | (D)* | Dec-97 | Mar-98 | Jun-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | 1.8 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <1 | <100 | <5 | <1 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <2500 | <2500 | <500 | <500 | <500 | <500 | <500 | <2500 |
| Naphthalene | | <2 | <2 | <2 | <2 | <1 | <100 | | <1 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Toluene | 150 | <1 | <1 | <1 | <1 | 7.9 | <100 | 8.8 | 12.1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | 3.9 | <200 | <10 | <2 | <200 | <2000 | <20 | <2000 | <1000 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | 11.8 | | 8.8 | 13.9 | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | 5.4 | <200 | <5 | 8.3 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | 900 | 2200 | 1700 | 1230 | 1120 | 1200 | 990 | 2100 | 1000 | 1300 | 1140 | 1590 | 1700 | 1420 | 2400 | 2140 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 68.2 | <100 | 120 | 124 | 118 | <700 | 168 | <900 | <500 | <500 | <100 | <100 | 100 | <100 | 151 | <500 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 10.4 | <100 | 13 | 15.2 | <100 | <700 | 11.3 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | 8.8 | <100 | 9.2 | <1 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 145 | 202 | 210 | 370 | 122 | <700 | 194 | 220 | <500 | <500 | 108 | 119 | 180 | 124 | 220 | <500 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 82.9 | 241 | 670 | 775 | 1110 | 1600 | 975 | 1000 | <500 | 740 | 754 | 583 | 780 | 566 | 445 | <500 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | 3.3 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | 29.9 | <100 | 26 | 39 | <100 | <2000 | 26.8 | <2000 | <500 | <1000 | <100 | <100 | <200 | <100 | <100 | <500 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | 32 | <100 | 32 | 57.9 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Tetrachloroethene | 5 | 24.5 | 13.4 | 21.4 | 32.7 | 24800 | 57500 | 37000 | 38300 | 27850 | 27000 | 27980 | 39000 | 27700 | 31000 | 24100 | 28300 | 34000 | 32200 | 54900 | 38300 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | 14.9 | <100 | <5 | 2.9 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <100 | 8.1 | 13.5 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Trichloroethene | 5 | 8.2 | 4.3 | 7.5 | 8.6 | 27500 | 39100 | 37000 | 40850 | 34050 | 28000 | 31850 | 40000 | 28100 | 32000 | 27200 | 29200 | 35000 | 32000 | 39700 | 43600 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <100 | | <1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Freon-123A | | | | | | <1 | <100 | <5 | <1 | <100 | | <10 | | <500 | | <100 | <100 | | <100 | <100 | <500 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 2.6 | <100 | 4.9 | 4.9 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 |
| Total Halogenated Hydrocarbons | | 33 | 18 | 29 | 41 | 53,600 | 99,243 | 76,793 | 81,794 | 64,370 | 57,800 | 62,195 | 82,320 | 56,800 | 65,040 | 53,302 | 59,792 | 71,760 | 66,310 | 97,816 | 84,040 |
| Total Concentration of VOCs | | 33 | 18 | 29 | 41 | 53,612 | 99,243 | 76,802 | 81,808 | 64,370 | 57,800 | 62,195 | 82,320 | 56,800 | 65,040 | 53,302 | 59,792 | 71,760 | 66,310 | 97,816 | 84,040 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-95-23 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-98 | Dec-98 | Mar-99 | Jun-99 | (D)* | Feb-00 | Mar-00 | Mar-00 | Mar-00 | (D)* | May-00 | (D)* | Sep-00 | (D)* | Nov-00 | Dec-00* | Jan-01 | Jan-01 | Feb-01 | Feb-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 1.1 | <100 | <50 | <100 | 0.56 | 3.2 | <100 | <100 | <10 |
| n-Butylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| sec-Butylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| ter-Butylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| 1,4-Dichlorobenzene | 5 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 1.3 | <100 | <50 | <100 | 1.1 | 1.3 | <100 | <100 | <10 |
| Ethylbenzene | 300 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Isopropylbenzene | | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 | <1000 | <50 | <400 | <0.5 | <200 | <50 | <200 | <0.5 | <2 | <200 | <200 | <20 |
| p-Isopropyltoluene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Methyl tert-Butyl Ether | 13 | <2500 | <50 | <2500 | <2500 | <50 | <50 | <2500 | <2500 | <2500 | <50 | <1000 | <0.5 | <500 | <50 | <500 | <0.5 | <5 | <500 | <500 | <50 |
| Naphthalene | | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 | <1000 | <50 | <400 | <0.5 | <200 | <50 | <200 | <0.5 | <2 | <200 | <200 | <20 |
| n-Propylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Toluene | 150 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 5.3 | <100 | <50 | <100 | 2.1 | 2.6 | <100 | <100 | <10 |
| 1,2,4-Trimethylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| 1,3,5-Trimethylbenzene | | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Xylenes, total | 1750 | <1000 | <20 | <1000 | <1000 | <100 | <20 | <1000 | <1000 | <1000 | <100 | <400 | <1 | <200 | <100 | <200 | <1 | <2 | <200 | <200 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 7.7 | | | | 3.76 | 7.1 | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Bromoform | 80 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 | <1000 | <50 | <400 | 4.5 | <200 | <50 | <200 | 2.2 | 5.5 | <200 | <200 | <20 |
| Carbon Tetrachloride | 0.5 | 1140 | 1250 | 1250 | 1220 | 1800 | 87.5 | 899 | 791 | 787 | 520 | 727 | 640 | 480.6 | 350 | 367.6 | 230 | 209 | 368.4 | 328.6 | 441.2 |
| Chloroform | 80 | <500 | 100 | <500 | <500 | 100 | <10 | <500 | <500 | <500 | 59 | <600 | 63 | <300 | <50 | <300 | 35 | 48.8 | <300 | <300 | 39.4 |
| 1,1-Dichloroethane | 5 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 8.2 | <100 | <50 | <100 | 5.3 | 8.0 | <100 | <100 | <10 |
| 1,2-Dichloroethane | 0.5 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 | <1000 | <50 | <400 | 6.9 | <200 | <50 | <200 | 2.7 | 3.5 | <200 | <200 | <20 |
| 1,1-Dichloroethene | 6 | <500 | 141 | <500 | <500 | 200 | <10 | <500 | <500 | <500 | 70 | <200 | 100 | <100 | 51 | <100 | 43 | 66 | <100 | <100 | 75.4 |
| cis-1,2-Dichloroethene | 6 | <500 | 674 | <500 | <500 | 330 | 48.6 | <500 | <500 | 525 | 450 | 790 | 720 | 2341.1 | 2000 | 2095.8 | 3300 | 3740 | 1115 | 1474.6 | 355.7 |
| trans-1,2-Dichloroethene | 10 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 4.7 | <100 | <50 | <100 | 43 | 2.0 | <100 | <100 | <10 |
| Methylene Chloride | 5 | <500 | <10 | <500 | <500 | 160 | <10 | <500 | <500 | <500 | <100 | <200 | 19 | <100 | <100 | <100 | <1 | 1.0 | <100 | <100 | <10 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 | <1000 | <50 | <400 | 28 | <200 | <50 | <200 | 16 | 22.6 | <200 | <200 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Tetrachloroethene | 5 | 34400 | 27500 | 35700 | 35200 | 38000 | 1550 | 19300 | 20400 | 18000 | 13000 | 21600 | 21000 | 13673 | 11000 | 9513.7 | 7800 | 7031 | 9466.4 | 8752.2 | 14301 |
| 1,1,1-Trichloroethane | 200 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 2.2 | <100 | <50 | <100 | <0.5 | 1.3 | <100 | <100 | <10 |
| 1,1,2-Trichloroethane | 5 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 5.0 | <100 | <50 | <100 | 6.1 | 27 | <100 | <100 | 69.6 |
| Trichloroethene | 5 | 35500 | 30100 | 38900 | 35600 | 45000 | 1720 | 17700 | 17800 | 17600 | 16000 | 24900 | 24000 | 17594 | 14000 | 12805 | 14000 | 10745 | 12893 | 10974 | 13088 |
| Freon-113 | 1200 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 |
| Freon-123A | | <500 | <10 | <500 | <500 | | <10 | <500 | <500 | <500 | | <200 | | <100 | <50 | <100 | | <1 | <100 | <100 | <10 |
| Vinyl Chloride | 0.5 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 | <500 | <50 | <200 | 1.4 | <100 | <50 | <100 | 1.3 | 1.7 | <100 | <100 | <10 |
| Total Halogenated Hydrocarbons | | 71,040 | 59,765 | 75,850 | 72,020 | 85,590 | 3,406 | 37,899 | 38,991 | 36,912 | 30,099 | 48,017 | 46,603 | 34,089 | 27,401 | 24,783 | 25,485 | 21,912 | 23,843 | 21,529 | 28,370 |
| Total Concentration of VOCs | | 71,040 | 59,765 | 75,850 | 72,020 | 85,590 | 3,406 | 37,899 | 38,991 | 36,912 | 30,099 | 48,017 | 46,611 | 34,089 | 27,401 | 24,783 | 25,489≈ | 21,923≈ | 23,843 | 21,529 | 28,370 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) Feb-01 | Jun-01 | Sep-01 | (D)* | Dec-01 | Mar-02 | (D)* | Jun-02 | (D)* | Oct-02 | Nov-02 | (D)* | Feb-03 | (D)* | Apr-03 | (D)* | Jul-03# | Aug-03 | Sep-03 | Dec-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <500 | <500 | 1 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| n-Butylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| sec-Butylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| ter-Butylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <100 | <500 | <500 | 1.3 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Ethylbenzene | 300 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Isopropylbenzene | | <200 | <1000 | <1000 | <0.5 | <1000 | <1000 | <30 | <200 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 |
| p-Isopropyltoluene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <500 | <2500 | <2500 | <0.5 | <2500 | <2500 | <150 | <500 | <500 | <500 | <500 | <150 | <2500 | <100 | <500 | <100 | <50 | <500 | <500 | <500 |
| Naphthalene | | <200 | <1000 | <1000 | <0.5 | <1000 | <1000 | <30 | <200 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 |
| n-Propylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Toluene | 150 | <100 | <500 | <500 | 3.9 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Xylenes, total | 1750 | <200 | <1000 | <1000 | <1 | <1000 | <1000 | <1 | <200 | <1 | <20 | <200 | <50 | <1000 | <30 | <200 | <30 | <20 | <200 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | 6.2 | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Bromoform | 80 | <200 | <1000 | <1000 | 3.6 | <1000 | <1000 | <30 | <200 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 |
| Carbon Tetrachloride | 0.5 | 462.7 | 613.8 | 774.6 | 440 | 501.2 | <500 | 390 | 150.1 | 110 | 280 | 360.3 | 230 | <500 | 240 | 205 | 140 | 323 | 235 | <100 | <100 |
| Chloroform | 80 | <300 | <1500 | <1500 | 64 | <1500 | <1500 | 46 | <300 | 44 | 40 | <300 | 34 | <1500 | 39 | <300 | <20 | 35.3 | <300 | <300 | <300 |
| 1,1-Dichloroethane | 5 | <100 | <500 | <500 | 6.3 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <200 | <1000 | <1000 | 7.1 | <1000 | <1000 | <30 | <200 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 |
| 1,1-Dichloroethene | 6 | <100 | <500 | <500 | 84 | <500 | <500 | 64 | <100 | 46 | 45 | <100 | 38 | <500 | 35 | <100 | <20 | 24.4 | <100 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | 484.2 | <500 | 535.6 | 1000 | <500 | <500 | 460 | 2055.6 | 2700 | 730 | 1239.7 | 960 | <500 | 340 | 185 | 220 | 305 | <100 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <100 | <500 | <500 | 4.4 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Methylene Chloride | 5 | <100 | <500 | <500 | 9.5 | <500 | <500 | 190 | <100 | <50 | <20 | <100 | <50 | <500 | 120 | <100 | 40 | <20 | <100 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <200 | <1000 | <1000 | 35 | <1000 | <1000 | <30 | <200 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Tetrachloroethene | 5 | 9758.7 | 17562 | 18868 | 15000 | 12837 | 11137 | 11000 | 5800.3 | 6400 | 8500 | 8791.3 | 4100 | 4960 | 3800 | 3420 | 3400 | 4420 | 4500 | 3580 | 1470 |
| 1,1,1-Trichloroethane | 200 | <100 | <500 | <500 | 1.2 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <100 | <500 | <500 | 7.6 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Trichloroethene | 5 | 11360 | 19617 | 22759 | 20000 | 18555 | 14967 | 12000 | 8842.6 | 9400 | 10000 | 11406 | 8900 | 9950 | 6500 | 6580 | 6300 | 7460 | 6940 | 4750 | 2120 |
| Freon-113 | 1200 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Freon-123A | | <100 | <500 | <500 | | <500 | <500 | | <100 | | <10 | <100 | | <500 | | <100 | | <10 | <100 | <100 | <100 |
| Vinyl Chloride | 0.5 | <100 | <500 | <500 | 1.3 | <500 | <500 | <30 | <100 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 22,066 | 37,793 | 42,938 | 36,664 | 31,893 | 26,104 | 24,150 | 16,849 | 18,700 | 19,595 | 21,798 | 14,262 | 14,910 | 11,074 | 10,390 | 10,100 | 12,568 | 11,675 | 8,330 | 3,590 |
| Total Concentration of VOCs | | 22,066 | 37,793 | 42,938 | 36,671≈ | 31,893 | 26,104 | 24,150 | 16,849 | 18,700 | 19,595 | 21,798 | 14,262 | 14,910 | 11,074 | 10,390 | 10,100 | 12,568 | 11,675 | 8,330 | 3,590 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) (D)* | Jan-04 | Mar-04 | May-04 | Aug-04 | (D)* | Oct-04 | Oct-04 | Oct-04 | Nov-04 | Nov-04 | Feb-05 | May-05* | Aug-05 | Oct-05 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| n-Butylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| sec-Butylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| ter-Butylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Isopropylbenzene | | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <250 | <500 | <250 | <250 | <1 | <50 | <250 | <50 | <250 | <250 | <50 | <0.5 | <1 | <250 | <25 | <5 | <50 | <5 | <5 |
| Naphthalene | | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 |
| n-Propylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Toluene | 150 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <100 | <200 | <100 | <100 | <2 | <20 | <100 | <20 | <100 | <100 | <20 | <1 | <2 | <100 | <10 | <2 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Bromoform | 80 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 51 | 67.6 | <100 | <50 | <50 | 32 | 35.9 | <50 | 36.4 | <50 | <50 | 18.5 | 20 | 18.5 | <50 | 10.2 | 15.4 | <10 | 4.7 | 15.3 |
| Chloroform | 80 | <5 | <150 | <300 | <150 | <150 | 2.5 | <30 | <150 | <30 | <150 | <150 | <30 | 1.9 | 2.5 | <150 | <15 | <3 | <30 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 5.6 | <50 | <100 | <50 | <50 | 3.1 | <10 | <50 | <10 | <50 | <50 | <10 | 2.0 | 2.6 | <50 | <5 | <1 | <10 | <1 | 1.4 |
| cis-1,2-Dichloroethene | 6 | 15 | <50 | <100 | <50 | <50 | 4.8 | <10 | <50 | <10 | <50 | <50 | <10 | 4.6 | 4.8 | <50 | <5 | 4.2 | <10 | <1 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <50 | <100 | <50 | <50 | <2 | <20 | <50 | <20 | <50 | <50 | <20 | <1 | <2 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 | <10 | <100 | <100 | <10 | 0.73 | <1 | <100 | <10 | <2 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 1200 | 1300 | 940 | 773 | 790 | 550 | 603 | 633 | 706 | 659 | 554 | 393 | 360 | 507 | 515 | 246 | 358 | 201 | 136 | 246 |
| 1,1,1-Trichloroethane | 200 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Trichloroethene | 5 | 1700 | 1700 | 1280 | 1200 | 940 | 710 | 802 | 793 | 901 | 893 | 836 | 550 | 550 | 669 | 674 | 362 | 513 | 256 | 205 | 338 |
| Freon-113 | 1200 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Freon-123A | | | <50 | <100 | <50 | <50 | | <10 | <50 | <10 | <50 | <50 | <10 | | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2,972 | 3,068 | 2,220 | 1,973 | 1,730 | 1,302 | 1,441 | 1,426 | 1,643 | 1,552 | 1,390 | 962 | 939 | 1,204 | 1,189 | 618 | 891 | 457 | 346 | 603 |
| Total Concentration of VOCs | | 2,972 | 3,068 | 2,220 | 1,973 | 1,730 | 1,302 | 1,441 | 1,426 | 1,643 | 1,552 | 1,390 | 962 | 939 | 1,204 | 1,189 | 618 | 891 | 457 | 346 | 603 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) Jun-06 | Jul-06 | (D)* | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Isopropylbenzene | | <10 | <2 | | | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | | | <5 | <5 | <25 | <25 | <5 | <25 | <50 | <25 | <5 | <25 | <5 | <25 | <5 | <25 | <5 | <5 |
| Naphthalene | | <10 | <2 | | | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <2 | <1 | <1 | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 10.5 | 8.5 | 9.0 | 8.1 | 16.3 | 8.5 | 8.4 | 8.3 | 7.6 | <5 | <10 | 9.6 | 10.4 | 7.3 | 8.1 | <5 | 5.4 | 14 | 3.1 | 5.1 |
| Chloroform | 80 | <15 | <3 | 0.7 | 0.68 | <3 | <3 | <15 | <15 | <3 | <15 | <30 | <15 | <3 | <15 | <3 | <15 | <3 | <15 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <0.5 | 0.53 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | 1.6 | 1.5 | 2.0 | 2.8 | <1 | <5 | <5 | 2.6 | <5 | <10 | <5 | 1.4 | <5 | 1.4 | <5 | 1.1 | 21.9 | 3.7 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <10 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Tetrachloroethene | 5 | 256 | 177 | 250 | 180 | 321 | 173 | 196 | 200 | 196 | 108 | 156 | 185 | 224 | 165 | 161 | 130 | 125 | 569 | 105 | 123 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Trichloroethene | 5 | 344 | 235 | 270 | 230 | 475 | 228 | 302 | 271 | 287 | 166 | 194 | 236 | 265 | 211 | 225 | 192 | 160 | 769 | 144 | 162 |
| Freon-113 | 1200 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Freon-123A | | <5 | <1 | | | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 611 | 422 | 531 | 421 | 815 | 410 | 506 | 479 | 493 | 274 | 350 | 431 | 501 | 383 | 396 | 322 | 292 | 1,374 | 256 | 291 |
| Total Concentration of VOCs | | 611 | 422 | 531 | 421 | 815 | 410 | 506 | 479 | 493 | 274 | 350 | 431 | 501 | 383 | 396 | 322 | 292 | 1,374 | 256 | 291 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.0 | 4.2 | 2.3 | 4.3 | 3.5 | 4.4 | 2.4 | 5.9 | 2.4 | 4.8 | 2.0 | 2.8 | 2.6 | 2.8 | 2.2 | 3.8 | 2.3 | 3.0 | 1.3 | 2.7 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.9 | <1 | 2.4 | <1 | 2.6 | 1.2 | 2.6 | <1 | 3.1 | <1 | 5.9 | 0.74 | 2.8 | <1 | 2.5 | <1 | 2.7 | <1 | 2.9 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 160 | 94.8 | 67.7 | 92.7 | 101 | 107 | 122 | 141 | 117 | 145 | 130 | 90 | 119 | 89.6 | 77 | 109 | 84.6 | 90 | 66.7 | 102 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 94.1 | 125 | 101 | 121 | 141 | 158 | 141 | 167 | 145 | 147 | 154 | 97 | 116 | 84.6 | 95.2 | 118 | 106 | 98.6 | 91.7 | 125 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 264 | 224 | 173 | 218 | 248 | 271 | 268 | 314 | 268 | 297 | 292 | 191 | 240 | 177 | 177 | 231 | 196 | 192 | 163 | 231 |
| Total Concentration of VOCs | | 264 | 224 | 173 | 218 | 248 | 271 | 268 | 314 | 268 | 297 | 292 | 191 | 240 | 177 | 177 | 231 | 196 | 192 | 163 | 231 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Aug-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.7 | 2.7 | 1.4 | 2.1 | 2.1 | 1.9 | 2.0 | 1.7 | 1.5 | 1.4 | <1 | 1.9 | 1.1 | 1.2 | 1.1 | <1 | <1 | 1.1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 4.4 | 1.6 | 1.8 | <1 | 1.8 | 1.2 | 2.7 | 4.7 | <1 | <1 | 1.9 | 1.8 | 2.6 | 1.1 | 1.9 | 1.1 | 2.1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 120 | 71.2 | 89 | 83.6 | 78.6 | 72.1 | 75.1 | 62.3 | 64.3 | 80.3 | 67.7 | 79.7 | 75.2 | 70.1 | 65 | 51.2 | 46.5 | 58 | 54.1 | 45.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 130 | 88.3 | 113 | 108 | 88.4 | 70.5 | 93.6 | 78.5 | 78.2 | 104 | 73.1 | 69.6 | 105 | 89.4 | 81 | 63.7 | 54.9 | 68.3 | 63.4 | 47.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 254 | 162 | 208 | 195 | 171 | 145 | 173 | 144 | 147 | 190 | 141 | 151 | 183 | 163 | 150 | 116 | 103 | 129 | 120 | 93 |
| Total Concentration of VOCs | | 254 | 162 | 208 | 195 | 171 | 145 | 173 | 144 | 147 | 190 | 141 | 151 | 183 | 163 | 150 | 116 | 103 | 129 | 120 | 93 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-95-23 (Cont'd) | | | | | | 7-00-4 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Jun-00(G) | Jun-00 | (D)* | Sep-00 | Nov-00 | Dec-00 | Feb-01 | Mar-01 | Mar-01 | (D)* | May-01 | May-01 | Sep-01 | Nov-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 5.3 | <1 | 3.2 | 1.3 | 4.2 | 4.1 | <1 | <1 | 4.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 5.3 | | 3.2 | 1.3 | 4.2 | 4.1 | | | 4.5 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | 1.2 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 50.4 | 48.8 | 53 | 49.8 | 34.5 | 39.8 | 2.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 30 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 61.9 | 50.8 | 51.7 | 41.9 | 34.2 | 39.8 | 1.6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 41 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 113 | 100 | 105 | 92 | 69 | 80 | 4.1 | | | | | | | | | 76 | | | | |
| Total Concentration of VOCs | | 113 | 100 | 105 | 92 | 69 | 80 | 4.1 | | | | 5.3 | | 3.2 | 1.3 | 4.2 | 80 | | | 4.5 | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-00-4 (Cont'd) Feb-02 | May-02 | Sep-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Aug-03* | Sep-03 | Oct-03 | Nov-03 | Dec-03 | Jan-04 | Feb-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 5.2 | <1 | <1 | 1.1 | <1 | 6.1 | 0.53 | 8.9 | <1 | 3.3 | <1 | <1 | <1 | <1 | <1 | 2.6 | <1 | 3.7 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 5.2 | | | 1.1 | | 6.1 | 0.53 | 8.9 | | 3.3 | | | | | | 2.6 | | 3.7 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 7.0 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 7.0 | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 5.2 | | | 8.1 | | 6.1 | 0.5 | 8.9 | | 3.3 | | | | | | 2.6 | | 3.7 | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| | | 7-00-4 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-04 | Oct-04 | Nov-04 | Dec-04* | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Jul-05 | Aug-05 | Aug-06 | Sep-07 | Jul-08 | Jul-09 | Jul-10 | Aug-11 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.4 | <1 | 2.8 | <0.5 | 2.6 | <1 | 6.8 | <1 | 1.8 | <1 | 5.1 | <1 | 3.4 | <1 | <1 | 5.5 | 2.5 | <1 | 4.1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.4 | | 2.8 | | 2.6 | | 6.8 | | 1.8 | | 5.1 | | 3.4 | | | 5.5 | 2.5 | | 4.1 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 1.4 | | 2.8 | | 2.6 | | 6.8 | | 1.8 | | 5.1 | | 3.4 | | | 5.5 | 2.5 | | 4.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 Aug-95(G | Sep-95 | (S)* | Nov-95 | (D)* | Mar-96 | Jun-96 | Sep-96 | Nov-96 | (D)* | Mar-97 | (S)* | (D)* | Jun-97 | (S)* | (D)* | Jul-97(G) | Sep-97 | (S)* | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| n-Butylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| sec-Butylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| ter-Butylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <100 | <1000 | <3000 | <2 | <3000 | <200 | 6.3 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Ethylbenzene | 300 | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Isopropylbenzene | | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 |
| p-Isopropyltoluene | | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <500 | | | <25 | <50 | | |
| Naphthalene | | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 |
| n-Propylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Toluene | 150 | <100 | <1000 | <3000 | 32.3 | <3000 | <100 | 20.2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <100 | <1000 | <3000 | <2 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Xylenes, total | 1750 | <100 | <1000 | <6000 | <2 | <6000 | <200 | 6 | <200 | <20 | <2000 | <200 | <200 | <200 | <200 | <200 | <200 | <10 | <20 | <300 | <300 |
| Total Aromatic Hydrocarbons | | | | | 32.3 | | | 32.5 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Bromoform | 80 | <100 | <1000 | <3000 | <2 | <3000 | <200 | 9.9 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | 4000 | 5890 | 8100 | 4020 | <3000 | 5180 | 2930 | 2412 | 1160 | 1800 | 1020 | 950 | 940 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Chloroform | 80 | 273 | <1000 | <3000 | 82.7 | <3000 | 145 | 37 | <100 | 23.7 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| 1,1-Dichloroethane | 5 | <100 | <1000 | <3000 | 21.5 | <3000 | <100 | 9.9 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 |
| 1,1-Dichloroethene | 6 | <100 | <1000 | <3000 | 222 | <3000 | 148 | 133 | <100 | 154 | <900 | 237 | 240 | 240 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | <100 | <1000 | <3000 | 131 | <3000 | 114 | 146 | <100 | 118 | <900 | 138 | 160 | 160 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <100 | <1000 | <3000 | 10.1 | <3000 | <100 | 16.7 | <100 | 15.8 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Methylene Chloride | 5 | <100 | <1000 | <6000 | <1 | <6000 | <100 | <2 | <100 | <10 | <2000 | <100 | <200 | <200 | <100 | <200 | <200 | <5 | <10 | <300 | <300 |
| 1,1,1,2-Tetrachloroethane | | 335 | <1000 | <3000 | 329 | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Tetrachloroethene | 5 | 85400 | 178000 | 190000 | 127000 | 140000 | 139000 | 134000 | 112000 | 78950 | 95000 | 71100 | 69000 | 73000 | 5610 | 5400 | 5000 | 5030 | 5180 | 5400 | 5000 |
| 1,1,1-Trichloroethane | 200 | 255 | <1000 | <3000 | <1 | <3000 | 303 | 154 | 124 | 242 | <900 | 318 | 420 | 420 | <100 | <100 | <100 | 9.4 | <10 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <100 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Trichloroethene | 5 | 58600 | 93400 | 100000 | 71400 | 71000 | 50700 | 45050 | 22300 | 16400 | 19000 | 15000 | 18000 | 18000 | 169 | 180 | 180 | 54.8 | 132 | 170 | 150 |
| Freon-113 | 1200 | <500 | <1000 | <3000 | <1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Freon-123A | | <100 | <1000 | | <1 | | <100 | <1 | <100 | <10 | | <100 | | | <100 | | | <5 | <10 | | |
| Vinyl Chloride | 0.5 | <100 | <1000 | <3000 | 50.9 | <3000 | <100 | 7.7 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 148,863 | 277,290 | 298,100 | 203,267 | 211,000 | 195,590 | 182,494 | 136,836 | 97,064 | 115,800 | 87,813 | 88,770 | 92,760 | 5,779 | 5,580 | 5,180 | 5,094 | 5,312 | 5,570 | 5,150 |
| Total Concentration of VOCs | | 148,863 | 277,290 | 298,100 | 203,300 | 211,000 | 195,590 | 182,527 | 136,836 | 97,064 | 115,800 | 87,813 | 88,770 | 92,760 | 5,779 | 5,580 | 5,180 | 5,094 | 5,312 | 5,570 | 5,150 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-97(G | Dec-97 | Dec-97(G) | Jan-98(G) | Mar-98 | Jun-98 | (D)* | Sep-98 | (D)* | Dec-98 | (D)* | Dec-98* | Jan-99 | Mar-99 | (D)* | Jun-99 | Sep-99 | Oct-99(G) | Nov-99 | Mar-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| n-Butylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| sec-Butylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| ter-Butylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.83 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Isopropylbenzene | | <20 | <20 | <100 | <200 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | | <500 | <250 | <50 | | <50 | | <50 | <0.5 | <30 | <25 | <25 | <0.5 | <5 | <25 | <250 | <50 | <5 |
| Naphthalene | | <20 | <20 | <100 | <200 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 |
| n-Propylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Toluene | 150 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.76 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <200 | <200 | <100 | <20 | <1 | <20 | <1 | <20 | <1 | <70 | <10 | <10 | <1 | <2 | <10 | <100 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 1.59 | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Bromoform | 80 | <20 | <20 | <100 | <200 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | 0.64 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | 18.9 | 32.4 | 390 | <100 | <50 | <10 | 3.7 | <10 | <0.5 | 27.6 | 31 | 150 | <5 | <5 | 0.79 | <1 | <5 | <50 | <10 | <1 |
| Chloroform | 80 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | 0.6 | <10 | 0.61 | <30 | <5 | <5 | <0.5 | <1 | 10.2 | <50 | <10 | <1 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 8.4 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <100 | <200 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | 140 | <100 | <50 | <10 | 0.55 | <10 | <0.5 | <10 | <0.5 | 46 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | <10 | 16.1 | <100 | <100 | <50 | <10 | 1.0 | <10 | 0.54 | <10 | 5.6 | <30 | <5 | <5 | 1.5 | <1 | <5 | <50 | <10 | <1 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <200 | <100 | <50 | <10 | <1 | <10 | <1 | <10 | <1 | <70 | <5 | <5 | <1 | <1 | <5 | <50 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <100 | <200 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | 13 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.59 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Tetrachloroethene | 5 | 16600 | 17000 | 43000 | 8170 | 1645 | 2590 | 3300 | 912 | 1000 | 11200 | 13000 | 22000 | 758 | 720 | 750 | 527 | 1280 | 2850 | 1450 | 422 |
| 1,1,1-Trichloroethane | 200 | 59.6 | 51.4 | 450 | <100 | <50 | <10 | 8.1 | <10 | 1.8 | <10 | 56 | 220 | <5 | <5 | 1.6 | <1 | <5 | <50 | <10 | 1.0 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Trichloroethene | 5 | 393 | 520 | 8100 | <100 | <50 | 55 | 53 | <10 | 10 | 548 | 580 | 2000 | 52.2 | 12.3 | 16 | 29.2 | 44.9 | 77.1 | 108 | 14.5 |
| Freon-113 | 1200 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | 35 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Freon-123A | | <10 | <10 | <100 | <100 | <50 | <10 | | <10 | | <10 | | | <5 | <5 | | <1 | <5 | <50 | <10 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <100 | <100 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 17,072 | 17,620 | 52,080 | 8,170 | 1,645 | 2,645 | 3,366 | 912 | 1,013 | 11,776 | 13,696 | 24,451 | 810 | 732 | 770 | 556 | 1,335 | 2,927 | 1,558 | 438 |
| Total Concentration of VOCs | | 17,072 | 17,620 | 52,080 | 8,170 | 1,645 | 2,645 | 3,366 | 912 | 1,013 | 11,776 | 13,697 | 24,451 | 810 | 732 | 770 | 556 | 1,335 | 2,927 | 1,558 | 438 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7B-95-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-00 | Sep-00 | (D)* | Oct-00(G) | Nov-00 | Nov-00 | Mar-01 | (D)* | Jun-01 | (D)* | Sep-01 | (D)* | Dec-01 | Mar-02 | Jun-02 | Sep-02 | Nov-02 | Feb-03 | (D)* | Apr-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | 0.64 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <20 | <50 | <200 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <500 | <2500 | <500 | <5 | 0.5 | <2500 | <20 | <500 | <0.5 | <500 | <500 | <500 | <500 | <5000 | <50 | <0.5 | <5 |
| Naphthalene | | <2 | <20 | <50 | <200 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Toluene | 150 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | 0.7 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <100 | <200 | <1000 | <200 | <2 | <1 | <1000 | <30 | <200 | <1 | <200 | <200 | <200 | <200 | <2000 | <20 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 0.5 | | | | 1.34 | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Bromoform | 80 | <2 | <20 | <50 | <200 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | 92.7 | 96 | 810.6 | 710.7 | 536.6 | 39.2 | 39 | <500 | 31 | <100 | 84 | <100 | <100 | <100 | 211.8 | <1000 | <10 | <0.5 | 2.1 |
| Chloroform | 80 | <3 | <30 | <50 | <600 | <1500 | <300 | <3 | 0.96 | <1500 | <20 | <300 | 1.7 | <300 | <300 | <300 | <300 | <300 | <30 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <50 | <200 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <10 | <50 | <100 | <500 | <100 | 3.8 | 3.3 | <500 | <20 | <100 | 9.0 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <10 | <50 | <100 | <500 | <100 | 2.6 | 3.0 | <500 | <20 | <100 | 1.3 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <50 | <100 | <500 | <100 | 2.4 | 2.2 | <500 | <20 | <100 | 0.64 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <100 | <100 | <500 | <100 | <1 | <1 | <500 | 47 | <100 | <1 | <100 | <100 | <100 | <100 | <1000 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | 27.8 | <50 | <200 | <1000 | <200 | 3.8 | 3.9 | <1000 | <20 | <200 | 17 | <200 | <200 | <200 | <200 | <2000 | <10 | <0.5 | 7.1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Tetrachloroethene | 5 | 43.1 | 9691.6 | 13000 | 40076 | 49953 | 36062 | 7017 | 6800 | 14007 | 13000 | 9644 | 11000 | 3497.7 | 3367 | 13239 | 52719 | 41037 | 57.6 | 55 | 4350 |
| 1,1,1-Trichloroethane | 200 | <1 | 98.8 | 110 | 850.5 | 542.2 | 439.2 | 23.1 | 22 | <500 | 24 | <100 | 31 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | 80.2 | <50 | 282 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Trichloroethene | 5 | 1.8 | 1599.4 | 1900 | 15953 | 9193.4 | 8209.6 | 339 | 260 | 1426 | 1200 | 1101 | 1100 | 351.4 | 361.4 | 550.9 | 3226.4 | 3924.5 | <10 | <0.5 | 88.8 |
| Freon-113 | 1200 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | <0.5 | <500 | <30 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Freon-123A | | <1 | <10 | | <100 | <500 | <100 | <1 | | <500 | | <100 | | <100 | <100 | <100 | <100 | <1000 | <10 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <10 | <50 | <100 | <500 | <100 | <1 | 0.65 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 45 | 11,591 | 15,106 | 57,972 | 60,400 | 45,247 | 7,431 | 7,135 | 15,433 | 14,302 | 10,745 | 12,245 | 3,849 | 3,728 | 13,790 | 56,157 | 44,961 | 58 | 55 | 4,449 |
| Total Concentration of VOCs | | 45 | 11,591 | 15,106 | 57,972 | 60,400 | 45,247 | 7,431 | 7,136 | 15,433 | 14,302 | 10,745 | 12,246 | 3,849 | 3,728 | 13,790 | 56,157 | 44,961 | 58 | 55 | 4,449 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 (Cont'd) Apr-03 | Apr-03 | May-03 | May-03 | Jun-03 | Jun-03 | Jul-03 | Sep-03 | (D)* | Dec-03 | Jan-04 | Mar-04 | Mar-04 | May-04 | Aug-04 | Nov-04 | Jan-05 | Jan-05 | Mar-05 | May-05* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <10 | <10 | <10 | 1.5 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <20 | <20 | <20 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <50 | <5 | <500 | <500 | <50 | <0.5 | <250 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <20 | <20 | <20 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <10 | <10 | <10 | 2.3 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <20 | <2 | <200 | <200 | <20 | <1 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | 3.8 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <20 | <20 | <20 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | 19.4 | 27.7 | 49.8 | <100 | <100 | <10 | 8.1 | <50 | <10 | <10 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <30 | <30 | <30 | 10.5 | <300 | <300 | <30 | 1.6 | <150 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <20 | <20 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <10 | <10 | <10 | 2.9 | <100 | <100 | <10 | 1.3 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <10 | <10 | <10 | 7.0 | <100 | <100 | 30.3 | 24 | <50 | 11.4 | <10 | 14.8 | 9.4 | 13.1 | 6.0 | <1 | 1.5 | <1 | 3.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <10 | <10 | 4.6 | <100 | <100 | <10 | 13 | <50 | <10 | <10 | 12.1 | 5.9 | 9.5 | 3.9 | <1 | <1 | <1 | 2.1 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <1 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | 3.3 | <10 | 28 | 34.9 | 59.7 | <200 | <200 | <10 | 1.7 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1330 | 3910 | 15200 | 16700 | 24100 | 10500 | 2990 | 2590 | 440 | 1300 | 374 | 152 | 457 | 317 | 1170 | 244 | 59.5 | 77.2 | 26 | 100 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 30.6 | 126 | 707 | 901 | 1200 | 501 | 320 | 581 | 120 | 289 | 119 | 18.2 | 225 | 111 | 137 | 59.5 | 18.9 | 19.4 | 3.6 | 52 |
| Freon-113 | 1200 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <10 | <10 | <10 | <1 | <100 | <100 | <10 | 0.96 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 1,364 | 4,036 | 15,954 | 17,664 | 25,435 | 11,001 | 3,310 | 3,201 | 611 | 1,589 | 504 | 170 | 709 | 443 | 1,332 | 313 | 78 | 98 | 30 | 158 |
| Total Concentration of VOCs | | 1,364 | 4,036 | 15,954 | 17,664 | 25,438 | 11,001 | 3,310 | 3,201 | 611 | 1,589 | 504 | 170 | 709 | 443 | 1,332 | 313 | 78 | 98 | 30 | 158 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-05 | Oct-05 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | Jun-06 | Jul-06 | Aug-06* | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <1 | <1 | <1 | 2.7 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 12.6 | 9.5 | <1 | 5.6 | <1 | <1 | 6.0 | 13.2 | 3.1 | <1 | <1 | 9.5 | <5 | <1 | <1 | 11.4 | 19.8 | <1 | 4.5 | 6.2 |
| trans-1,2-Dichloroethene | 10 | 12.2 | 7.3 | <1 | 6.7 | <1 | <1 | 7.1 | 11.3 | 2.6 | <1 | <1 | 8.3 | <5 | <1 | <1 | 9.3 | 17.6 | <1 | 3.4 | 4.7 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 389 | 327 | 29.3 | 155 | 32.8 | 1000 | 169 | 159 | 77 | 187 | 122 | 227 | 54.5 | 52.7 | 106 | 154 | 158 | 119 | 79.9 | 91.3 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 201 | 240 | 8.2 | 96.1 | 3.9 | 26.6 | 118 | 196 | 60 | 32.9 | 6.5 | 256 | <5 | 5.3 | 17 | 222 | 220 | 14.3 | 102 | 114 |
| Freon-113 | 1200 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.5 | <5 | <1 | <1 | 1.6 | 4.4 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 615 | 584 | 38 | 263 | 37 | 1,029 | 300 | 380 | 143 | 220 | 129 | 502 | 55 | 58 | 123 | 398 | 420 | 133 | 190 | 216 |
| Total Concentration of VOCs | | 615 | 584 | 38 | 263 | 37 | 1,029 | 300 | 380 | 143 | 220 | 129 | 502 | 55 | 58 | 123 | 398 | 420 | 133 | 190 | 216 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 6.2 | 1.8 | 2.2 | 8.8 | 9.0 | 23.3 | 17.4 | 15.2 | 1.6 | <1 | 3.0 | 5.5 | 5.5 | 13 | 4.0 | <1 | 5.2 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | 4.7 | 1.1 | 1.2 | 5.6 | 5.3 | 12.9 | 11.6 | 10 | <1 | <1 | 2.0 | 4.0 | 4.7 | 8.6 | 2.5 | <1 | 4.3 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 13.2 | 103 | 46.4 | 38.8 | 114 | 119 | 291 | 217 | 128 | 35.3 | 31.8 | 115 | 120 | 113 | 130 | 72.4 | 10.4 | 50.1 | 15.7 | 12.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 13.3 | 163 | 48 | 55.3 | 210 | 230 | 560 | 366 | 199 | 41.4 | 20.7 | 80.4 | 140 | 141 | 190 | 81.7 | 1.5 | 87.5 | 10.3 | 9.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27 | 277 | 97 | 98 | 338 | 363 | 888 | 612 | 352 | 78 | 53 | 200 | 270 | 264 | 342 | 161 | 12 | 147 | 26 | 22 |
| Total Concentration of VOCs | | 27 | 277 | 97 | 98 | 338 | 363 | 888 | 612 | 352 | 78 | 53 | 200 | 270 | 264 | 342 | 161 | 12 | 147 | 26 | 22 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.5 | <1 | 2.5 | <1 | <1 | 5.1 | <1 | <1 | 5.3 | 1.6 | 9.8 | 16.2 | 14.5 | 15.5 | 8.5 | 9.4 | 2.2 | 6.7 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 2.8 | <1 | 1.3 | <1 | <1 | 3.6 | <1 | <1 | 4.5 | 1.5 | 9.7 | 15.7 | 16.4 | 15.5 | 8.7 | 9.9 | 1.5 | 6.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 47.6 | 9.9 | 26.2 | 31.7 | 8.4 | 42 | 6.2 | 10 | 31.8 | 14.6 | 53.3 | 95.3 | 79.9 | 71.7 | 61.2 | 45.2 | 20.3 | 39 | 5.2 | 5.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 79.3 | 8.1 | 39.5 | 5.5 | 1.1 | 69.2 | 1.3 | 5.7 | 63 | 22.6 | 103 | 181 | 171 | 147 | 116 | 92.6 | 36.5 | 83 | 4.1 | 1.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 134 | 18 | 70 | 37 | 9.5 | 120 | 7.5 | 16 | 105 | 40 | 176 | 308 | 282 | 250 | 194 | 157 | 61 | 135 | 9.3 | 6.4 |
| Total Concentration of VOCs | | 134 | 18 | 70 | 37 | 9.5 | 120 | 7.5 | 16 | 105 | 40 | 176 | 308 | 282 | 250 | 194 | 157 | 61 | 135 | 9.3 | 6.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7B-95-21 (Cont'd) | | | | | | | | | 7B-95-24 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-11 | May-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Dec-95(G | Dec-95(G | Jan-96 (G | (D)* | Mar-96 | Jun-96 | Sep-96 | (D)* | Nov-96 | (D)* | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 | <10 | <1 | <100 | <600 | <20 | <700 | <200 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <500 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 | <10 | <1 | <100 | <600 | <20 | <700 | <200 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <100 | <600 | <20 | <2 | <100 | <2000 | <20 | <2000 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <100 | <300 | <20 | 1.8 | <100 | <600 | <20 | <700 | <200 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 156 | 3.7 | 378 | 550 | 538 | 308 | 588 | 740 | 1064 | 970 | 549 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <10 | 51.1 | <50 | <300 | 39.1 | 15.4 | <50 | <600 | 19.2 | <700 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 18 | 1.8 | <50 | <300 | 39.2 | 32.9 | <50 | <600 | 22.6 | 33 | <100 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 | <10 | <1 | <100 | <600 | <20 | <700 | <200 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 42.6 | 7.3 | 160 | <300 | 108 | 137 | 92.5 | <600 | 107 | 140 | <100 |
| cis-1,2-Dichloroethene | 6 | <1 | 5.6 | 1.8 | 4.0 | 5.0 | 3.4 | 1.8 | 5.2 | 3.2 | 605 | 41.6 | 623 | 630 | 830 | 720 | 549 | 670 | 575 | 770 | 526 |
| trans-1,2-Dichloroethene | 10 | <1 | 4.6 | 1.7 | 2.5 | 3.1 | 1.6 | <1 | 3.3 | 2.3 | <10 | <1 | <50 | <300 | 15.8 | 21.7 | <50 | <600 | 11 | <700 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <600 | <10 | <1 | <50 | <2000 | <10 | <2000 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 | <10 | 25.6 | <100 | <600 | <20 | <700 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| Tetrachloroethene | 5 | 12.4 | 31.9 | 17.2 | 21.1 | 24.1 | 19.8 | 13.6 | 25.7 | 19.4 | 11000 | 1870 | 25500 | 18000 | 21800 | 21800 | 27900 | 29000 | 33200 | 35000 | 23440 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | 28.5 | 33.2 | <50 | <600 | 23.7 | <700 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | 2.6 | <50 | <600 | <10 | <700 | <100 |
| Trichloroethene | 5 | 1.2 | 61.5 | 26.8 | 42.5 | 57 | 45.3 | 24 | 60.3 | 36 | 5750 | 560 | 10075 | 9900 | 8440 | 5900 | 10510 | 11000 | 12900 | 14000 | 7810 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 | <10 | <1 | <50 | <600 | <10 | <700 | <100 |
| Freon-123A | | | | | | | | | | | <10 | <1 | <50 | | <10 | <1 | <50 | | <10 | | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 15.1 | 2.1 | <50 | <300 | 55.8 | 60.3 | <50 | <600 | 29.1 | <700 | <100 |
| Total Halogenated Hydrocarbons | | 14 | 104 | 48 | 70 | 89 | 70 | 39 | 95 | 61 | 17,587 | 2,538 | 36,736 | 29,080 | 31,894 | 29,059 | 39,640 | 41,410 | 47,952 | 50,913 | 32,325 |
| Total Concentration of VOCs | | 14 | 104 | 48 | 70 | 89 | 70 | 39 | 95 | 61 | 17,587 | 2,538 | 36,736 | 29,080 | 31,894 | 29,059 | 39,640 | 41,410 | 47,952 | 50,913 | 32,325 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) (D)* | Jun-97 | (D)* | Sep-97 | (D)* | Dec-97 | Mar-98 | Jun-98 | (D)* | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Sep-99 | Dec-99* | (D)* | Mar-00 | (D)* | May-00 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| n-Butylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| sec-Butylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| ter-Butylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <50 | <100 | 0.87 | <100 | <100 | <100 | <100 | <100 | 0.6 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Ethylbenzene | 300 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Isopropylbenzene | | <50 | <200 | <0.5 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <20 | <200 | <100 | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 |
| p-Isopropyltoluene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <50 | <500 | <0.5 | <500 | <100 | <500 | <500 | <500 | <0.5 | <500 | <50 | <500 | <250 | <2500 | <200 | <200 | <250 | <10 | <500 | <0.5 |
| Naphthalene | | <50 | <200 | <0.5 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <20 | <200 | <100 | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 |
| n-Propylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Toluene | 150 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| 1,2,4-Trimethylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| 1,3,5-Trimethylbenzene | | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Xylenes, total | 1750 | <100 | <200 | <1 | <200 | <200 | <200 | <200 | <200 | <1 | <200 | <20 | <200 | <100 | <1000 | <300 | <300 | <100 | <30 | <200 | <1 |
| Total Aromatic Hydrocarbons | | | | 0.87 | | | | | | 0.6 | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Bromoform | 80 | <50 | <200 | 2.3 | <200 | <100 | <200 | <200 | <200 | 1.3 | <200 | <20 | <200 | <100 | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 |
| Carbon Tetrachloride | 0.5 | 540 | 806 | 690 | 697 | 930 | 702 | 497 | 396 | 440 | 520 | 801 | 406 | 295 | <500 | 570 | 510 | 578 | 340 | 324 | 190 |
| Chloroform | 80 | <50 | <100 | 13 | <100 | <100 | <100 | <100 | <100 | 10 | <100 | 14.5 | <100 | <50 | <500 | <200 | <200 | <50 | 13 | <100 | 11 |
| 1,1-Dichloroethane | 5 | <50 | <100 | 24 | <100 | <100 | <100 | <100 | <100 | 22 | <100 | 20.8 | <100 | <50 | <500 | <200 | <200 | <50 | 17 | <100 | 17 |
| 1,2-Dichloroethane | 0.5 | <50 | <200 | 1.6 | <200 | <100 | <200 | <200 | <200 | 1.4 | <200 | <20 | <200 | <100 | <100 | <200 | <200 | <100 | <10 | <200 | 1.5 |
| 1,1-Dichloroethene | 6 | 99 | <100 | 100 | <100 | 110 | <100 | <100 | <100 | 70 | <100 | 76.6 | <100 | <50 | <500 | <200 | <200 | 65.7 | 53 | <100 | 49 |
| cis-1,2-Dichloroethene | 6 | 520 | 480 | 450 | 417 | 570 | 390 | 630 | 399 | 530 | 414 | 560 | 480 | 387 | <500 | 460 | 460 | 442 | 360 | 508 | 320 |
| trans-1,2-Dichloroethene | 10 | <50 | <100 | 15 | <100 | <100 | <100 | <100 | <100 | 13 | <100 | 10 | <100 | <50 | <500 | <200 | <200 | <50 | 11 | <100 | 17 |
| Methylene Chloride | 5 | <100 | <100 | 1.1 | <100 | <200 | <100 | <100 | <100 | <1 | <100 | <10 | <100 | <50 | <500 | <300 | <300 | <50 | <30 | <100 | <1 |
| 1,1,1,2-Tetrachloroethane | | <50 | <200 | 26 | <200 | <100 | <200 | <200 | <200 | 19 | <200 | <20 | <200 | <100 | <1000 | <200 | <200 | <100 | <10 | <200 | 12 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Tetrachloroethene | 5 | 20000 | 23700 | 24000 | 26000 | 32000 | 27200 | 16500 | 15600 | 17000 | 17400 | 24900 | 15400 | 12800 | 16400 | 19000 | 18000 | 18000 | 13000 | 17400 | 9200 |
| 1,1,1-Trichloroethane | 200 | <50 | <100 | 22 | <100 | <100 | <100 | <100 | <100 | 12 | <100 | 13 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | 5.6 |
| 1,1,2-Trichloroethane | 5 | <50 | <100 | 0.58 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | 1.0 |
| Trichloroethene | 5 | 7500 | 10700 | 9300 | 9000 | 12000 | 9600 | 9240 | 5410 | 5600 | 8670 | 10600 | 5030 | 4760 | 8100 | 8500 | 8600 | 5460 | 5000 | 6040 | 3500 |
| Freon-113 | 1200 | <50 | <100 | <50 | <100 | <100 | <100 | <100 | <100 | 0.58 | <100 | <10 | <100 | <50 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 |
| Freon-123A | | | <100 | | <100 | | <100 | <100 | <100 | | <100 | <10 | <100 | <50 | <500 | | | <50 | | <100 | |
| Vinyl Chloride | 0.5 | <50 | <100 | 38 | <100 | <100 | <100 | <100 | <100 | 59 | <100 | 36.8 | <100 | <50 | <500 | <200 | <200 | <50 | 26 | <100 | 26 |
| Total Halogenated Hydrocarbons | | 28,659 | 35,686 | 34,684 | 36,114 | 45,610 | 37,892 | 26,867 | 21,805 | 23,778 | 27,004 | 37,033 | 21,316 | 18,242 | 24,500 | 28,530 | 27,570 | 24,546 | 18,820 | 24,272 | 13,350 |
| Total Concentration of VOCs | | 28,659 | 35,686 | 34,684 | 36,114 | 45,610 | 37,892 | 26,867 | 21,805 | 23,779 | 27,004 | 37,033 | 21,316 | 18,242 | 24,500 | 28,530 | 27,570 | 24,546 | 18,820 | 24,272 | 13,350 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) Sep-00 | (D)* | Dec-00 | (D)* | Mar-01 | (D)* | Jun-01 | (D)* | Sep-01 | (D)* | Dec-01 | (D)* | Mar-02 | (D)* | Jun-02 | (D)* | Sep-02 | (D)* | Nov-02 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | 0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| n-Butylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| sec-Butylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| ter-Butylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| 1,4-Dichlorobenzene | 5 | <500 | <900 | <200 | <1000 | <500 | 0.59 | <500 | 0.52 | <500 | 0.83 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Ethylbenzene | 300 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Isopropylbenzene | | <1000 | <900 | <400 | <1000 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <50 | <1000 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 |
| p-Isopropyltoluene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Methyl tert-Butyl Ether | 13 | <2500 | <900 | <1000 | <1000 | <2500 | <0.5 | <2500 | <0.5 | <2500 | <0.5 | <2500 | <50 | <2500 | <30 | <2500 | <30 | <2500 | <20 | <2500 | <300 |
| Naphthalene | | <1000 | <900 | <400 | <1000 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <50 | <1000 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 |
| n-Propylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Toluene | 150 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| 1,2,4-Trimethylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| 1,3,5-Trimethylbenzene | | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Xylenes, total | 1750 | <1000 | <2000 | <400 | <2000 | <1000 | <1 | <1000 | <1 | <1000 | <1 | <1000 | <100 | <1000 | <50 | <1000 | <50 | <1000 | <30 | <1000 | <500 |
| Total Aromatic Hydrocarbons | | | | | | | 0.59 | | 1.02 | | 0.83 | | | | 0 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Bromoform | 80 | <1000 | <900 | <400 | <1000 | <1000 | 3.0 | <1000 | 0.79 | <1000 | <0.5 | <1000 | <50 | <1000 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 |
| Carbon Tetrachloride | 0.5 | 509.1 | <900 | 599.8 | <1000 | 631.6 | 420 | <500 | 310 | 729.3 | 390 | 821.9 | 690 | <500 | 400 | <500 | 360 | 510.3 | 400 | 721.1 | 590 |
| Chloroform | 80 | <1500 | <900 | <600 | <1000 | <1500 | 13 | <1500 | 14 | <1500 | 14 | <1500 | <50 | <1500 | <30 | <1500 | <30 | <1500 | <20 | <1500 | <300 |
| 1,1-Dichloroethane | 5 | <500 | <900 | <200 | <1000 | <500 | 17 | <500 | 20 | <500 | 15 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| 1,2-Dichloroethane | 0.5 | <1000 | <900 | <400 | <1000 | <1000 | 1.8 | <1000 | 1.7 | <1000 | 1.6 | <1000 | <50 | <1000 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 |
| 1,1-Dichloroethene | 6 | <500 | <900 | <200 | <1000 | <500 | 65 | <500 | 56 | <500 | 73 | <500 | 130 | <500 | 64 | <500 | 57 | <500 | 68 | <500 | <300 |
| cis-1,2-Dichloroethene | 6 | <500 | <900 | 312.7 | <1000 | <500 | 320 | <500 | 384 | <500 | 300 | <500 | 360 | <500 | 310 | <500 | 290 | <500 | 240 | <500 | <300 |
| trans-1,2-Dichloroethene | 10 | <500 | <900 | <200 | <1000 | <500 | 11 | <500 | 10 | <500 | 9.1 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Methylene Chloride | 5 | <500 | <2000 | <200 | <2000 | <500 | <1 | <500 | 0.71 | <500 | <1 | <500 | <100 | <500 | 190 | <500 | <50 | <500 | <30 | <500 | <500 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <900 | <400 | <1000 | <1000 | 22 | <1000 | 15 | <1000 | 33 | <1000 | <50 | <1000 | <30 | <1000 | <30 | <1000 | 29 | <1000 | <300 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Tetrachloroethene | 5 | 18212 | 21000 | 25282 | 23000 | 28368 | 18000 | 16090 | 11000 | 25513 | 18000 | 31825 | 33000 | 16728 | 14000 | 17163 | 17000 | 23850 | 24000 | 30882 | 24000 |
| 1,1,1-Trichloroethane | 200 | <500 | <900 | <200 | <1000 | <500 | 6.7 | <500 | 5.2 | <500 | 8.7 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| 1,1,2-Trichloroethane | 5 | <500 | <900 | <200 | <1000 | <500 | 1.0 | <500 | 1.2 | <500 | 1.4 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Trichloroethene | 5 | 6517 | 6600 | 9100.4 | 12000 | 7676.6 | 5800 | 5281.9 | 4800 | 9154.5 | 7500 | 10906 | 10000 | 6457.9 | 5400 | 5907.6 | 5600 | 7996 | 7200 | 8880.2 | 7600 |
| Freon-113 | 1200 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | 0.61 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Freon-123A | | <500 | | <200 | | <500 | | <500 | | <500 | | <500 | | <500 | | <500 | | <500 | | <500 | |
| Vinyl Chloride | 0.5 | <500 | <900 | <200 | <1000 | <500 | 24 | <500 | 24 | <500 | 27 | <500 | <50 | <500 | <30 | <500 | <30 | <500 | <20 | <500 | <300 |
| Total Halogenated Hydrocarbons | | 25,238 | 27,600 | 35,294 | 35,000 | 36,676 | 24,705 | 21,372 | 16,643 | 35,396 | 26,373 | 43,553 | 44,180 | 23,186 | 20,364 | 23,071 | 23,307 | 32,356 | 31,937 | 40,483 | 32,190 |
| Total Concentration of VOCs | | 25,238 | 27,600 | 35,294 | 35,000 | 36,676 | 24,705 | 21,372 | 16,664≈ | 35,396 | 26,376≈ | 43,553 | 44,180 | 23,186 | 20,416≈ | 23,071 | 23,307 | 32,356 | 31,937 | 40,483 | 32,190 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) Feb-03 | (D)* | Apr-03 | (D)* | Jul-03 | Aug-03 | Sep-03 | (D)* | Dec-03 | (D)* | Jan-04 | Mar-04 | May-04 | (D)* | Aug-04 | (D)* | Nov-04 | (D)* | Feb-05 | Jun-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| n-Butylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| sec-Butylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| ter-Butylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| 1,4-Dichlorobenzene | 5 | <500 | 0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Ethylbenzene | 300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Isopropylbenzene | | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 | <20 | <100 | <1 | <100 | <3 | <2 | <20 |
| p-Isopropyltoluene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | <2500 | <0.5 | <500 | <10 | <500 | <500 | <2500 | <0.5 | <500 | <5 | <500 | <500 | <250 | <20 | <250 | <1 | <250 | <3 | <5 | <50 |
| Naphthalene | | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 | <20 | <100 | <1 | <100 | <3 | <2 | <20 |
| n-Propylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Toluene | 150 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| 1,2,4-Trimethylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| 1,3,5-Trimethylbenzene | | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Xylenes, total | 1750 | <1000 | <1 | <200 | <20 | <200 | <200 | <1000 | <1 | <200 | <10 | <200 | <200 | <100 | <30 | <100 | <2 | <100 | <5 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | 0.5 | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Bromoform | 80 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 | <20 | <100 | <1 | <100 | <3 | <2 | <20 |
| Carbon Tetrachloride | 0.5 | <500 | 180 | 130 | 120 | 124 | <100 | <500 | 75 | <100 | 54 | <100 | <100 | <50 | <20 | <50 | 7.7 | <50 | 8.0 | 2.7 | <10 |
| Chloroform | 80 | <1500 | 6.7 | <300 | <10 | <300 | <300 | <1500 | 7.5 | <300 | <5 | <300 | <300 | <150 | <20 | <150 | 2.2 | <150 | 3.6 | <3 | <30 |
| 1,1-Dichloroethane | 5 | <500 | 13 | <100 | 10 | <100 | <100 | <500 | 7.2 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | 1.9 | <50 | <3 | <1 | <10 |
| 1,2-Dichloroethane | 0.5 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | 0.82 | <200 | <5 | <200 | <200 | <100 | <20 | <100 | <1 | <100 | <3 | <2 | <20 |
| 1,1-Dichloroethene | 6 | <500 | 55 | <100 | 34 | <100 | <100 | <500 | 21 | <100 | 14 | <100 | <100 | <50 | <20 | <50 | 5.4 | <50 | 5.0 | <1 | <10 |
| cis-1,2-Dichloroethene | 6 | <500 | 290 | 230 | 260 | 129 | <100 | <500 | 130 | 118 | 86 | <100 | 137 | 56.4 | 50 | <50 | 33 | <50 | 26.0 | 14.7 | <10 |
| trans-1,2-Dichloroethene | 10 | <500 | 8.9 | <100 | <10 | <100 | <100 | <500 | 2.3 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Methylene Chloride | 5 | <500 | <1 | <100 | 140 | <100 | <100 | <500 | <1 | <100 | <10 | <100 | <100 | <50 | 66 | <50 | <1 | <50 | <5 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <1000 | 12 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 | <20 | <100 | <1 | <100 | <3 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Tetrachloroethene | 5 | 13100 | 11000 | 9330 | 8400 | 6930 | 6280 | 6260 | 1800 | 3450 | 3000 | 1510 | 3580 | 1570 | 1100 | 653 | 570 | 593 | 600 | 268 | 269 |
| 1,1,1-Trichloroethane | 200 | <500 | 4.1 | <100 | <10 | <100 | <100 | <500 | 0.94 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <500 | 1.0 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Trichloroethene | 5 | 3650 | 3100 | 2120 | 1800 | 1830 | 1920 | 1490 | 1300 | 1030 | 800 | 463 | 937 | 434 | 340 | 149 | 130 | 201 | 180 | 41.8 | 65.7 |
| Freon-113 | 1200 | <500 | 0.94 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Freon-123A | | <500 | | <100 | | <100 | <100 | <500 | | <100 | | <100 | <100 | <50 | | <50 | | <50 | | <1 | <10 |
| Vinyl Chloride | 0.5 | <500 | 28 | <100 | 16 | <100 | <100 | <500 | 2.3 | <100 | <5 | <100 | <100 | <50 | <20 | <50 | <1 | <50 | <3 | <1 | <10 |
| Total Halogenated Hydrocarbons | | 16,750 | 14,700 | 11,810 | 10,780 | 9,013 | 8,200 | 7,750 | 3,347 | 4,598 | 3,954 | 1,973 | 4,654 | 2,060 | 1,556 | 802 | 750 | 794 | 823 | 327 | 335 |
| Total Concentration of VOCs | | 16,750 | 14,700 | 11,810 | 10,780 | 9,013 | 8,200 | 7,750 | 3,347 | 4,598 | 3,954 | 1,973 | 4,654 | 2,060 | 1,556 | 802 | 750 | 794 | 823 | 327 | 335 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) (D)* | Aug-05 | Oct-05 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <25 | <5 | <5 | <5 |
| Naphthalene | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Bromoform | 80 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.3 | 5.6 | 5.0 | 2.5 | 1.5 | <1 | 1.9 | 3.1 | 1.7 | 1.6 | 7.1 | 2.0 | 2.2 | <10 | 2.2 | <10 | <5 | <1 | <1 | 1.2 |
| Chloroform | 80 | 0.98 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <15 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 0.42 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.4 | <1 | <1 | 1.8 | <1 | <1 | <1 | 2.3 | 1.5 | 1.2 | 2.5 | <1 | <1 | <10 | 1.5 | <10 | <5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.6 | 6.0 | 2.6 | 4.8 | 4.5 | 4.1 | 3.8 | 5.0 | 3.4 | 3.4 | 8.0 | 3.5 | 2.5 | <10 | 2.8 | <10 | <5 | 1.8 | 3.2 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <10 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 180 | 177 | 156 | 129 | 106 | 105 | 105 | 137 | 78.1 | 81.8 | 431 | 93.8 | 102 | 107 | 95.3 | 52.5 | 56.7 | 47.5 | 64.1 | 54 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 50 | 72.3 | 65.7 | 41.3 | 22.1 | 20.3 | 22.7 | 35.5 | 21.1 | 18.6 | 109 | 23.7 | 28.3 | 37.8 | 26.8 | <10 | 16 | 9.7 | 17.7 | 13.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 243 | 261 | 229 | 179 | 134 | 129 | 133 | 183 | 106 | 107 | 558 | 123 | 135 | 145 | 129 | 53 | 73 | 59 | 85 | 70 |
| Total Concentration of VOCs | | 243 | 261 | 229 | 179 | 134 | 129 | 133 | 183 | 106 | 107 | 558 | 123 | 135 | 145 | 129 | 53 | 73 | 59 | 85 | 70 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) Jun-07 | Jul-07 | Aug-07 | Sep-07* | (D)* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | 2.8 | 2.0 | 2.4 | 2.6 | 1.9 | 1.2 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 3.0 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | 2.0 | <1 | <1 | <1 | 1.4 | <1 | 2.1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 55.4 | 105 | 76.2 | 90 | 99 | 82.5 | 61 | 46 | 48.3 | 19.2 | 33.2 | 37 | 31.8 | 20.3 | 23.7 | 12.6 | 22.9 | 16.7 | 47.7 | 12 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 16.7 | 24 | 16.1 | 23 | 25 | 21.5 | 11.5 | 9.1 | 13.3 | 3.3 | 11.2 | 10.9 | 8.8 | 6.5 | 8.2 | 2.9 | 8.0 | 4.8 | 17.1 | 2.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 75 | 132 | 94 | 115 | 127 | 106 | 74 | 55 | 62 | 23 | 46 | 49 | 43 | 27 | 32 | 16 | 32 | 22 | 67 | 14 |
| Total Concentration of VOCs | | 75 | 132 | 94 | 115 | 127 | 106 | 74 | 55 | 62 | 23 | 46 | 49 | 43 | 27 | 32 | 16 | 32 | 22 | 67 | 14 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-24 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | Apr-10 | May-10 | Jul-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.7 | <1 | 1.2 | <1 | 2.0 | 3.4 | 2.2 | 4.0 | 2.5 | <1 | 3.0 | 2.3 | <1 | <1 | <1 | 3.4 | <1 | <1 | 4.3 | 3.6 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | 1.8 | 1.8 |
| cis-1,2-Dichloroethene | 6 | 6.4 | <1 | 9.5 | <1 | 16.2 | 1.9 | 13.4 | 2.7 | 22.1 | <1 | 1.9 | 16.3 | <1 | 28.2 | <1 | 27.6 | <1 | <1 | 48.4 | 63.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 147 | 16.6 | 110 | 11.4 | 145 | 196 | 134 | 183 | 98.8 | 7.7 | 143 | 153 | 35.1 | 222 | 8.5 | 157 | 9.3 | 7.0 | 253 | 236 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 45.7 | 3.0 | 41.5 | 3.2 | 57.2 | 60.3 | 60.1 | 66.5 | 75.5 | 2.6 | 53.3 | 75.7 | 11.4 | 112 | 2.4 | 116 | 2.8 | 2.4 | 143 | 148 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 201 | 20 | 162 | 15 | 220 | 262 | 210 | 256 | 199 | 10 | 201 | 247 | 47 | 362 | 11 | 305 | 12 | 9.4 | 451 | 453 |
| Total Concentration of VOCs | | 201 | 20 | 162 | 15 | 220 | 262 | 210 | 256 | 199 | 10 | 201 | 247 | 47 | 362 | 11 | 305 | 12 | 9.4 | 451 | 453 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7B-95-24 (Cont'd) | | | | | | | | | | | | | | | | 7B-95-25 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Jan-96(G) | (D) (G)* | Mar-96 | Jun-96(G) |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <80 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <80 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | 1.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <80 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <200 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | 1.5 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <80 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | 0.7 | <1 | 5.0 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <10 | <80 | 1.1 | 1.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | 0.8 | <1 | 2.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <80 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 13.1 | 4.7 | 21.3 | 57.4 |
| cis-1,2-Dichloroethene | 6 | 2.4 | <1 | 1.7 | 2.0 | 22 | <1 | 12.1 | <1 | 22.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 27.1 | 20 | 61.2 | 42.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | 0.8 | 2.0 | 1.6 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <200 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | 4.8 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Tetrachloroethene | 5 | 139 | 6.3 | 32.1 | 29.9 | 71 | 3.4 | 36.9 | 4.3 | 30.3 | 3.2 | 2.7 | 3.9 | 2.1 | 2.2 | 2.6 | 7.5 | 6280 | 4000 | 8100 | 12300 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 46.2 | 35 | 113 | 203 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Trichloroethene | 5 | 50.6 | 2.4 | 14 | 14.3 | 37 | 1.4 | 18.9 | 1.7 | 16.7 | 1.4 | 1.2 | 2.0 | <1 | <1 | 1.2 | 1.2 | 136 | 110 | 171 | 225 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <10 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <80 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 194 | 8.7 | 48 | 46 | 130 | 4.8 | 68 | 6.0 | 70 | 4.6 | 3.9 | 5.9 | 2.1 | 2.2 | 3.8 | 8.7 | 6,502 | 4,177 | 8,470 | 12,839 |
| Total Concentration of VOCs | | 194 | 8.7 | 48 | 46 | 130 | 4.8 | 68 | 6.0 | 70 | 4.6 | 3.9 | 5.9 | 2.1 | 2.2 | 3.8 | 8.7 | 6,502 | 4,177 | 8,470 | 12,840 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7B-95-25 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-96* | (D) | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Dec-97 | (D)* | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Sep-99 | Oct-99 (G | Nov-99 | Mar-00 | May-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| n-Butylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| sec-Butylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| ter-Butylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <20 | <10 | <10 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | <25 | <50 | <500 | <5 | <0.5 | <25 | <5 | <50 | <5 | <25 | <25 | <5 | <25 | <50 | <5 | <50 | <5 |
| Naphthalene | | <2 | <20 | <10 | <10 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| n-Propylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Toluene | 150 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <4 | <20 | <10 | <10 | <20 | <200 | <2 | <1 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Bromoform | 80 | <2 | <20 | <10 | <10 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | 13 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Chloroform | 80 | 2.2 | <10 | <5 | <5 | <10 | <100 | <1 | 0.81 | <5 | 2.7 | <10 | 6.0 | <5 | <5 | 2.4 | <5 | <10 | <1 | <30 | <3 |
| 1,1-Dichloroethane | 5 | 2.4 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <10 | <10 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 78 | 59 | <5 | 8.1 | 11.2 | <100 | <1 | 0.88 | <5 | <1 | <10 | <1 | <5 | <5 | 2.7 | <5 | <10 | <1 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | 32 | 27.8 | 23.7 | 5.7 | 10.6 | <100 | 4.2 | 5.0 | 7.6 | 2.3 | <10 | 2.3 | <5 | <5 | 6.6 | 5.3 | <10 | <1 | 12.2 | 31.3 |
| trans-1,2-Dichloroethene | 10 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <4 | <10 | <5 | <5 | <10 | <100 | <1 | <1 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | 23 | <20 | <10 | <10 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 16000 | 12600 | 6440 | 1990 | 2710 | 2570 | 593 | 710 | 1040 | 578 | 1150 | 147 | 216 | 418 | 4620 | 588 | 707 | 176 | 160 | 565.2 |
| 1,1,1-Trichloroethane | 200 | 100 | 111 | 37.2 | 7.4 | 10 | <100 | 1.7 | 2.2 | <5 | 1.7 | <10 | <1 | <5 | <5 | 1.1 | <5 | <10 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | 2.9 |
| Trichloroethene | 5 | 610 | 731 | 273 | 92.5 | 134 | 107 | 16.4 | 17 | 46.2 | 30 | 59.9 | 4.0 | <5 | 11.8 | 39.1 | 47.2 | 44 | 9.3 | <10 | 25.6 |
| Freon-113 | 1200 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Freon-123A | | | <10 | <5 | <5 | <10 | <100 | <1 | | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | <2 | <10 | <5 | <5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 16,861 | 13,529 | 6,774 | 2,104 | 2,876 | 2,677 | 615 | 736 | 1,094 | 615 | 1,210 | 159 | 216 | 430 | 9,292 | 641 | 751 | 185 | 172 | 625 |
| Total Concentration of VOCs | | 16,861 | 13,529 | 6,774 | 2,104 | 2,876 | 2,677 | 615 | 736 | 1,094 | 615 | 1,210 | 159 | 216 | 430 | 9,292 | 641 | 751 | 185 | 172 | 625 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-25 (Cont'd) Nov-00 | Mar-01 | Jun-01 | Sep-01 | Dec-01 | Mar-02 | May-02 | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Jul-03* | Aug-03* | Sep-03 | Dec-03 | Mar-04 | May-04 | Aug-04 | Nov-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <500 | <5 | <50 | <5 | <5 | <50 | <50 | <5 | <5 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <10 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <30 | <3 | <300 | <3 | <30 | <3 | <3 | <30 | <30 | <3 | <3 | <5 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <100 | 1.8 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <10 | 16.7 | <100 | 10.6 | <10 | 1.0 | 18.6 | 10.1 | <10 | 4.1 | 2.4 | 14 | 3.6 | 0.75 | <1 | 5.9 | 1.9 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | 8.6 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <200 | <2 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 404.1 | 152.4 | 191.4 | 559.8 | 199.5 | 92.4 | 100.9 | 238.4 | 298.8 | 233 | 139 | 2800 | 64 | 68 | 58.4 | 14.7 | 7.7 | 5.1 | 3.6 | 51.2 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 25.6 | 6.6 | <100 | 31.7 | <10 | 1.6 | 6.5 | 21.4 | 29.8 | 5.3 | 2.3 | 320 | 2.4 | 1.2 | <1 | 1.2 | 2.3 | <1 | <1 | <1 |
| Freon-113 | 1200 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <1 | <100 | <1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 430 | 176 | 191 | 604 | 200 | 95 | 126 | 270 | 329 | 242 | 144 | 3,143 | 70 | 70 | 58 | 22 | 12 | 5.1 | 3.6 | 51 |
| Total Concentration of VOCs | | 430 | 176 | 191 | 604 | 200 | 95 | 126 | 270 | 329 | 242 | 144 | 3,143 | 70 | 70 | 58 | 22 | 12 | 5.1 | 3.6 | 51 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-25 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-05 | May-05 | Aug-05 | Jan-06 | Feb-06 | Mar-06* | May-06 | Jul-06 | Oct-06 | Nov-06 | Jan-07 | Mar-07* | May-07 | Jul-07 | Sep-07* | Nov-07 | Jan-08 | Mar-08 | May-08 | Jul-08 | Sep-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.9 | 4.3 | 30.3 | 5.0 | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10.2 | 1.2 | 1.0 | 1.7 | <1 | 0.75 | <1 | <1 | 3.8 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 3.3 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | 2.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.9 | 4.3 | 34 | 5.0 | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10 | 1.2 | 1.0 | 1.7 | | 0.8 | | | 6.3 | | | |
| Total Concentration of VOCs | | 2.9 | 4.3 | 34 | 5.0 | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10 | 1.2 | 1.0 | 1.7 | | 0.8 | | | 6.3 | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 7B-95-25 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-08 | Jan-09 | Mar-09 | May-09 | Jul-09 | Sep-09 | Nov-09 | Mar-10 | May-10 | Aug-10* | Oct-10 | Jan-11^ | Mar-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 1.0 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | 1.0 | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 16-94-13 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-94 | (D)* | Feb-95* | Mar-95* | May-95* | Jul-95 | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Sep-96 | Nov-96 | (D)* | Mar-97 | (D)* | Jun-97 | Sep-97 | Dec-97 | Mar-98 | Jun-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | 5.7 | 2.5 | 2.1 | 2.1 | 3.6 | 2.4 | 3.2 | 5.5 | 2.4 | 6.7 | 3.1 | <9 | 3.1 | 2.8 | 3.2 | 2.4 | 1.0 | 3.3 | 2.9 |
| 1,1-Dichloroethane | 5 | <1 | <5 | 0.87 | 0.74 | 0.75 | 1.3 | <1 | 1.2 | 1.1 | <1 | <1 | <1 | <9 | 1.1 | 1.1 | 1.1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 20.4 | 8.9 | 6.0 | 5.6 | 4.9 | 10.3 | 5.9 | 14.1 | 7.0 | 4.8 | <1 | 9.2 | 13 | 6.9 | 6.2 | 5.4 | 4.4 | 4.1 | 5.7 | 5.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <5 | 0.96 | 1.2 | 1.4 | 3.0 | 1.6 | 1.7 | 2.1 | 1.7 | <1 | 1.1 | <9 | 1.2 | 1.3 | 1.1 | <1 | <1 | 1.2 | 2.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 540 | 240 | 170 | 170 | 150 | 230 | 153 | 262 | 162 | 144 | <1 | 255 | 240 | 171 | 120 | 129 | 94.7 | 116 | 116 | 126 |
| 1,1,1-Trichloroethane | 200 | 11.1 | 5.1 | 3.7 | 3.8 | 3.3 | 6.3 | 2.9 | 4.0 | 4.9 | 2.3 | <1 | 2.5 | <9 | 1.6 | 2.0 | 1.6 | 1.0 | 1.0 | 1.2 | 1.4 |
| 1,1,2-Trichloroethane | 5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 98.8 | 48 | 34 | 29 | 29 | 37.8 | 26.9 | 50.3 | 37.6 | 23.1 | 30.8 | 56.8 | 55 | 38.4 | 27 | 41.2 | 27.7 | 31.1 | 37.5 | 28.1 |
| Freon-113 | 1200 | <1 | <5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 670 | 308 | 218 | 212 | 191 | 292 | 193 | 337 | 220 | 178 | 38 | 328 | 308 | 223 | 160 | 183 | 130 | 153 | 165 | 166 |
| Total Concentration of VOCs | | 670 | 308 | 218 | 212 | 191 | 292 | 193 | 337 | 220 | 178 | 38 | 328 | 308 | 223 | 160 | 183 | 130 | 153 | 165 | 166 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 16-94-13 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-98 | Dec-98 | Feb-99 | May-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Aug-06 | Aug-07 | Aug-08 | Aug-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 1 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.8 | 2.4 | 1.9 | 1.5 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.4 | <3 | <3 | <3 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.5 | 3.8 | 2.5 | 2.4 | 4.6 | 4.0 | 3.4 | 5.2 | 4.6 | 4.3 | 3.1 | <1 | 2.5 | 2.3 | <1 | <1 | 1.3 | <1 | 1.9 | 1.6 |
| cis-1,2-Dichloroethene | 6 | 1.2 | 1.2 | 1.1 | 1.2 | 1.4 | 1.1 | 1.1 | 1.1 | 1.2 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 112 | 103 | 92 | 84 | 90.7 | 85.8 | 68.2 | 90.1 | 77.2 | 76.3 | 70.8 | 53.1 | 40.3 | 32 | 31.1 | 38.8 | 28.8 | 21.4 | 26 | 25 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21.9 | 25.5 | 22.2 | 17.3 | 25.9 | 23.2 | 21.7 | 26.3 | 24.7 | 22.7 | 22.5 | 18.4 | 16 | 11.6 | 12.1 | 15.6 | 11.5 | 10.4 | 12.5 | 9.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 140 | 136 | 120 | 106 | 123 | 114 | 94 | 123 | 108 | 103 | 96 | 72 | 60 | 46 | 47 | 54 | 42 | 32 | 40 | 36 |
| Total Concentration of VOCs | | 140 | 136 | 120 | 106 | 124 | 114 | 94 | 123 | 108 | 103 | 96 | 72 | 60 | 46 | 47 | 54 | 42 | 32 | 40 | 36 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 16-94-13 (Cont'd) | | | 16-95-3 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-10* | Aug-11 | Aug-12 | Jun-95* | (S) | Aug-95 | Dec-95 | Mar-96 | Jun-96 | (D)† | Aug-96 | Dec-96 | Mar-97 | May-97 | Mar-98 | Sep-98 | (D)* | Feb-99 | Sep-99 | Feb-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | | <2 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <1 | <1 | <1 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | 2.1 | <3 | <3 | 3.8 | 8.0 | 6.1 | 9.4 | 19.0 | 8.5 | 6.7 | 7.2 | 10.4 | 11.1 | 8.5 | 13.9 | 6.1 | 7.4 | 8.0 | 7.8 | 8.9 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.4 | 1.3 | 1.8 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 0.95 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 23 | 17.7 | 19.4 | <0.5 | 1.5 | <1 | <1 | 2.0 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 9.4 | 8.2 | 9.3 | 15 | 27.1 | 27.9 | 39.5 | 34.6 | 24.4 | 27 | 18.9 | 43.3 | 34.2 | 26.5 | 36.5 | 19.5 | 23 | 25.2 | 23.0 | 20.8 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <0.5 | <5 | <5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | | | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 37 | 27 | 31 | 19 | 37 | 34 | 49 | 56 | 33 | 34 | 26 | 54 | 45 | 35 | 50 | 26 | 30 | 33 | 31 | 30 |
| Total Concentration of VOCs | | 37 | 27 | 31 | 19 | 37 | 34 | 49 | 56 | 33 | 34 | 26 | 54 | 45 | 35 | 50 | 26 | 30 | 33 | 31 | 30 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 16-95-3 (Cont'd) | | | | | | | | | | | | | | | 25-95-5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04* | Aug-04 | Feb-05 | Aug-05 | Jun-08 | Jun-10 | Aug-10 | Aug-12 | Sep-95 | (S)* | Dec-95 | Mar-96 | Jun-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 1.3 | 1.4 | 2 | 1.6 |
| Chloroform | 80 | 7.0 | 8.7 | 7.5 | 7.7 | 5.6 | 6.5 | 6.3 | 7.7 | 5.8 | 6.0 | 6.5 | 3.2 | <3 | <3 | <3 | 2.8 | 2.4 | 3.2 | 9.3 | 4.1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | 0.77 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 1.3 | 2.0 | 1.3 | 1.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 7.7 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.9 | 4.0 | 4.4 | 2.2 | 2.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.2 | 22.6 | 23.9 | 18.9 | 18.4 | 21.5 | 17.0 | 22.0 | 15.1 | 17.6 | 15.5 | 11.9 | 10.5 | 7.8 | 7.2 | 17.1 | 15 | 17.8 | 11.4 | 9.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | | | | | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 26 | 31 | 31 | 27 | 24 | 36 | 23 | 30 | 21 | 24 | 22 | 15 | 11 | 7.8 | 7.2 | 27 | 25 | 29 | 26 | 20 |
| Total Concentration of VOCs | | 26 | 31 | 31 | 27 | 24 | 36 | 23 | 30 | 21 | 24 | 22 | 15 | 11 | 7.8 | 7.2 | 27 | 25 | 29 | 26 | 20 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25-95-5 (Cont'd) Aug-96 | Dec-96 | Mar-97 | May-97 | Aug-97 | Nov-97 | Mar-98 | May-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 1 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | 1.4 | <1 | 1.9 | 1.4 | <1 | 1.2 | 2.3 | 2.8 | <1 | <1 | 1.2 | 1.4 | 1.1 | 1.2 | <1 | <1 | 1.3 | 1.7 | <1 | 0.58 |
| Chloroform | 80 | 1.8 | <1 | 3.1 | 2.0 | 1.3 | 2.4 | 4.5 | 6.3 | 3.0 | 3.8 | 3.0 | 3.0 | 3.3 | <1 | <3 | <3 | <3 | 3.6 | <3 | 3.0 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | 1.2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 3.0 | 1.6 | 1.4 | 1.9 | 2.6 | 4.8 | 1.7 | 2.0 | 1.8 | 2.2 | 12.8 | 1.4 | 2.5 | 2.0 | 1.9 | <1 | 1.9 | <1 | 1.1 | 6.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 12.5 | 6.4 | 8.2 | 8.5 | 8.4 | 14.4 | 10.7 | 11.7 | 7.0 | 8.6 | 6.9 | 6.7 | 9.1 | 6.2 | 6.0 | 5.5 | 6.8 | 5.5 | 4.3 | 3.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 19 | 8.0 | 15 | 15 | 12 | 24 | 19 | 25 | 12 | 15 | 24 | 13 | 16 | 11 | 7.9 | 5.5 | 10 | 11 | 5.4 | 13 |
| Total Concentration of VOCs | | 19 | 8.0 | 15 | 15 | 12 | 24 | 19 | 25 | 12 | 15 | 24 | 13 | 16 | 11 | 7.9 | 5.5 | 10 | 12 | 5.4 | 13 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25-95-5 (Cont'd) Jan-04 | Jul-04 | Aug-05 | May-06 | Jul-06 | Jul-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06* | Jan-07* | Feb-07* | Mar-07* | Apr-07* | May-07* | Jun-07* | July-07* | Aug-07* | Sep-07* | Oct-07* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | | | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | | | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | 1.3 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 2.1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | 4.2 | 5.3 | 4.1 | 1.4 | <1 | 1.1 | <1 | <1 | 1.3 | 2.0 | 0.59 | 0.58 | 0.52 | 0.59 | 0.57 | 1.3 | 1.4 | 0.7 | 0.5 | 0.64 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 7.6 | 7.5 | 4.1 | 1.4 | | 1.1 | | | 1.3 | 3.1 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 1.3 | 1.4 | 0.7 | 0.5 | 0.6 |
| Total Concentration of VOCs | | 7.6 | 7.5 | 4.1 | 1.4 | | 1.1 | | | 1.3 | 3.1 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 1.3 | 1.4 | 0.7 | 0.5 | 0.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-95-5 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-07* | Dec-07* | Jan-08* | Feb-08* | Mar-08* | Apr-08* | May-08* | Jun-08* | Jul-08* | Aug-08* | Sept-08* | Oct-08* | Nov-08* | Dec-08* | Feb-09* | Mar-09* | Apr-09* | May-09* | Jun-09* | Jul-09* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| ter-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5 | | | | | | | | | | | | | | | | | | | | |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | | | | | | | | | | | | | | | | | | | | |
| p-Isopropyltoluene | | | | | | | | | | | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | | | | | | | | | | | | | | | | | | |
| n-Propylbenzene | | | | | | | | | | | | | | | | | | | | | |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | | |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.59 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | 0.76 | <0.5 | 0.58 | 0.6 | 0.54 | <0.5 | <0.5 | <0.5 | 0.59 | 1.7 | 0.67 | <0.5 | 0.83 | <0.5 | 1.0 | <0.5 | 1.6 | 1.1 | <0.5 | 0.67 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 0.8 | | 0.6 | 0.6 | 0.5 | | | | 0.6 | 1.7 | 0.7 | | 0.8 | | 1.0 | | 2.2 | 1.1 | | 0.7 |
| Total Concentration of VOCs | | 0.8 | | 0.6 | 0.6 | 0.5 | | | | 0.6 | 1.7 | 0.7 | | 0.8 | | 1.0 | | 2.2 | 1.1 | | 0.7 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| | | 25-95-5 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-09* | Sept-09* | Oct-09* | Nov-09* | Jan-10* | Mar-10* | Apr-10* | May-10* | Jun-10* | July-10* | Aug-10* | Nov-10* | Jan-11* | Mar-11* | Jun-11* | Aug-11* | Nov-11* | Feb-12* | Jun-12* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | | | | | | | | | | | | | | | | | | | | |
| ter-Butylbenzene | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5 | | | | | | | | | | | | | | | | | | | |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | | | | | | | | | | | | | | | | | | | |
| p-Isopropyltoluene | | | | | | | | | | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | | | | | | | | | | | | | | | | | |
| n-Propylbenzene | | | | | | | | | | | | | | | | | | | | |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <0.5 | 0.63 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | 0.67 | 0.9 | 0.88 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | <0.5 | 0.67 | 0.74 | 1.6 | 1.4 | 2.0 | 2.2 | 0.8 | 1.1 | 0.61 | 0.5 | <0.5 | 0.57 | <0.5 | 0.62 | <0.5 | 0.69 | 0.5 | <0.5 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | | 1.3 | 0.7 | 1.6 | 2.1 | 2.9 | 3.1 | 0.8 | 1.1 | 0.6 | 0.5 | | 0.6 | | 0.6 | | 0.7 | 0.5 | |
| Total Concentration of VOCs | | | 1.3 | 0.7 | 1.6 | 2.1 | 2.9 | 3.1 | 0.8 | 1.1 | 0.6 | 0.5 | | 0.6 | | 0.6 | | 0.7 | 0.5 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-95-27 Apr-96 | Jun-96 | Jul-96 | (D)* | Dec-96(G) | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Feb-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.58 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 0.58 | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 1.5 | 0.84 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 1.5 | 0.8 | | | | | | | | | 1.4 | | | | | | |
| Total Concentration of VOCs | | | | | 1.5 | 0.8 | | | | | | 0.6 | | | 1.4 | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25-95-27 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-00 | Feb-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Jan-05 | May-05 | Jul-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25-95-27 (Cont'd) | | | | | | | | | | | | | 25-98-10 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jul-09 | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Nov-98(G | Oct-99 | (D)* | Nov-99 | Feb-00 | May-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.7 | 2.4 | 2.5 | 1.5 | 2.2 | 2.6 | 1.4 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | 2.9 | 3.4 | 3.6 | 4.3 | <1 | 3.3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.6 | 1.9 | 1.3 | 1.0 | 1.6 | 1.1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.3 | 1.7 | 2.4 | 1.6 | 2.3 | 2.2 | 1.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 7.7 | 14.8 | 15 | 11 | 9.4 | 12.4 | 10.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | 14 | 24 | 25 | 20 | 15 | 22 | 15 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | 14 | 24 | 25 | 20 | 15 | 22 | 15 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25-98-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Jul-06 | Jul-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | 1 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | 1.8 | 1.5 | 1.7 | 2.8 | 2.1 | 2.7 | 2.3 | 2.0 | 2.0 | 2 | 2.5 | 1.4 | 2.1 | 1.5 | <1 | <1 | <1 | <1 | <1 | 0.68 |
| Chloroform | 80 | 3.0 | <3 | 3.1 | <3 | <3 | 3.3 | <3 | 4.5 | 3.1 | 2.8 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | 1.4 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 1.9 | 1.6 | 1.7 | 1.1 | 1.2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1.6 | 1.8 | 1.8 | 2.8 | 1.7 | 1.6 | 1.0 | 1.7 | 1.1 | 20 | 1.1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 10.4 | 10.7 | 9.9 | 13.8 | 11.3 | 9.7 | 9.4 | 9.7 | 5.9 | 9.2 | 6.2 | 7.4 | 5.3 | 6.6 | <1 | 2.1 | 1.7 | 2.5 | 3.2 | 3.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 17 | 14 | 17 | 21 | 17 | 19 | 14 | 19 | 12 | 35 | 9.8 | 10 | 7.4 | 8.1 | | 2.1 | 1.7 | 2.5 | 3.2 | 7.5 |
| Total Concentration of VOCs | | 17 | 14 | 17 | 21 | 17 | 20 | 14 | 19 | 12 | 35 | 9.8 | 10 | 7.4 | 8.1 | | 2.1 | 1.7 | 2.5 | 3.2 | 7.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-98-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-07* | Feb-07* | Mar-07* | Apr-07* | May-07* | Jun-07* | July-07* | Aug-07* | Sep-07* | Oct-07* | Nov-07* | Dec-07* | Jan-08* | Feb-08* | Mar-08* | Apr-08* | May-08* | Jun-08* | Jul-08* | Aug-08* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| ter-Butylbenzene | | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 5 | | | | | | | | | | | | | | | | | | | | |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | | | | | | | | | | | | | | | | | | | | |
| p-Isopropyltoluene | | | | | | | | | | | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | | | | | | | | | | | | | | | | | | |
| n-Propylbenzene | | | | | | | | | | | | | | | | | | | | | |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | | | | | | | | | | | | | | | | | | | | | |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.51 | 0.51 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.87 | 0.81 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.85 | 0.68 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | 1.1 | 0.7 | 0.88 | <05 | 2.0 | 4.2 | 3.8 | <0.5 | 0.77 | 0.65 | <0.5 | 1.1 | <0.5 | 0.76 | 2.0 | 1.4 | <0.5 | 1.3 | <0.5 | 0.7 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 1.1 | 0.7 | 0.9 | | 2.0 | 6.4 | 5.8 | | 0.8 | 0.7 | | 1.1 | | 0.8 | 3.6 | 1.4 | | 1.3 | | 0.7 |
| Total Concentration of VOCs | | 1.1 | 0.7 | 0.9 | | 2.0 | 6.4 | 5.8 | | 0.8 | 0.7 | | 1.1 | | 0.8 | 3.6 | 1.4 | | 1.3 | | 0.7 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-98-10 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sept-08* | Oct-08* | Nov-08* | Dec-08* | Feb-09* | Mar-09* | Apr-09* | May-09* | Jun-09* | Jul-09* | Aug-09* | Sept-09* | Oct-09 | Nov-09 | Jan-10* | Feb-10 | Mar-09* | Apr-10* | May-10* | Jun-10* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| sec-Butylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| ter-Butylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| 1,4-Dichlorobenzene | 5 | | | | | | | | | | | | | | | | <1 | | | | |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | | | | | | | | | | | | | | | | <2 | | | | |
| p-Isopropyltoluene | | | | | | | | | | | | | | | | | <1 | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | | | | | | | | | | | | | | <2 | | | | |
| n-Propylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| 1,3,5-Trimethylbenzene | | | | | | | | | | | | | | | | | <1 | | | | |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.87 | 0.99 | 0.87 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.54 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.57 | <1 | 0.76 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.83 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.78 | 1.2 | <3 | 1.4 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.69 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.65 | 0.69 | <1 | 0.94 | <0.5 | <0.5 | 0.97 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | <0.5 | 1.1 | <0.5 | 0.8 | <0.5 | <0.5 | 3.8 | <0.5 | 1.8 | <0.5 | 0.97 | <0.5 | 1.2 | 3.5 | 3.0 | 3.9 | 4.2 | <0.5 | 1.4 | 3.6 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | | 1.1 | | 0.8 | | | 5.9 | | 1.8 | | 1.0 | 0.9 | 2.2 | 5.8 | 5.5 | 3.9 | 7.3 | | 1.4 | 4.6 |
| Total Concentration of VOCs | | | 1.1 | | 0.8 | | | 5.9 | | 1.8 | | 1.0 | 1.4≈ | 2.2 | 5.8 | 5.5 | 3.9 | 7.3 | | 1.4 | 4.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25-98-10 (Cont'd) | | | | | | | | 25A-95-15 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-10* | Aug-10* | Nov-10* | Jan-11* | Mar-11* | Jun-11* | Aug-11* | Nov-11* | Sep-95 | (S)* | Dec-95 | Mar-96 | Jun-96 | Sep-96* | (D) | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Dec-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 |
| Naphthalene | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.4 | 1.2 | 4.6 | 5.8 | 5.3 | 5.8 | 4.2 | 5.2 | 2.8 | 2.6 | 4.1 | 5.7 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 11.1 | 7.6 | 155 | 123 | 151 | 120 | 107 | 92.9 | 89.8 | 39.9 | <1 | 62.9 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | 2.5 | 2.6 | 3.1 | 2.4 | 1.7 | 1.4 | 1.4 | 1.0 | <1 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.77 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 0.55 | 1.7 | 3.2 | 2.5 | 3.0 | 2.0 | 2.0 | 1.6 | 9.4 | 2.1 | 5.1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.74 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 0.8 | 1.7 | <0.5 | <0.5 | <0.5 | <0.5 | 1.7 | <0.5 | 11 | 10 | 202 | 304 | 225 | 270 | 287 | 250 | 188 | 162 | 130 | 167 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 0.8 | 1.7 | | | | | 1.7 | | 24 | 19 | 366 | 439 | 387 | 403 | 402 | 352 | 284 | 215 | 136 | 242 |
| Total Concentration of VOCs | | 0.8 | 1.7 | | | | | 1.7 | | 24 | 19 | 366 | 439 | 387 | 403 | 402 | 352 | 284 | 215 | 136 | 242 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-95-15 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04* | Aug-04 | Feb-05 | Nov-05 | Feb-06 | Jul-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 | <5 | <50 | <50 | <50 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 2.7 | 3.8 | 3.3 | 3.2 | 3.3 | 3.2 | 5.0 | <15 | 4.3 | <30 | <30 | <30 | <1 | <1 | 1.5 | <1 | <1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 64.8 | 93.2 | 89.3 | 114 | 134 | 108 | 133 | 99.8 | 141.1 | 100.7 | 122.3 | 78.9 | 67.5 | 70 | 53 | 78.7 | 52.8 | 3.7 | 11.7 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.3 | 2.1 | 1.9 | 3.2 | 3.5 | 2.7 | 4.7 | 3.0 | 4.1 | <10 | <10 | <10 | 2.6 | 3.2 | 3.1 | 3.5 | 2.3 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.0 | <10 | <10 | <10 | <1 | <1 | 0.92 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 |
| Tetrachloroethene | 5 | 1.8 | 2.0 | 1.7 | 1.6 | 1.8 | 2.1 | 3.8 | <5 | 2.5 | <10 | <10 | <10 | 2.1 | 2.3 | 2.1 | 1.5 | 1.6 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 157 | 204 | 178 | 186 | 300 | 186 | 295 | 255.5 | 278.9 | 324.9 | 343.1 | 202.3 | 194 | 190 | 140 | 152 | 144 | 18.9 | 44.7 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 228 | 305 | 274 | 308 | 443 | 302 | 442 | 358 | 432 | 426 | 465 | 281 | 266 | 266 | 201 | 236 | 201 | 23 | 56 | |
| Total Concentration of VOCs | | 228 | 305 | 274 | 308 | 443 | 302 | 442 | 358 | 432 | 426 | 465 | 281 | 266 | 266 | 201 | 236 | 201 | 23 | 56 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25A-95-15 (Cont'd) | | | | | | | | | | | | | 25A-98-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-07 | Sep-07 | Feb-08 | (D)* | Feb-09 | (D)* | Jul-10(G) | Jul-10(G) | Mar-11 | (D)* | Aug-11 | Mar-12 | Sep-12 | Jul-98 | (D)* | Sep-98 | Dec-98 | Feb-99 | May-99# | Sep-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | 2.8 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 2.8 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | 0.64 | <3 | 6.0 | <3 | 1.4 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | 1.1 | <1 | <1 | 1.0 | 1.6 | <1 | <1 | <1 | 2.4 | 2.5 | 1.6 | 8.2 | 11.7 | 5.0 | 16.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.1 | 1.6 | 1.3 | 4.7 | 6.3 | 3.3 | 6.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.0 | 1.4 | <1 | 2.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | 2.7 | 7.0 | 6.2 | 7.1 | 5.2 | 7.4 | 2.7 | <1 | <1 | 102.4 | 110 | 74.9 | 144 | 170 | 120 | 285 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 2.7 | 8.7 | 6.2 | 13 | 6.2 | 10 | 2.7 | | | 106 | 114 | 78 | 158 | 189 | 128 | 311 |
| Total Concentration of VOCs | | | | | | 5.5 | 8.7 | 6.2 | 13 | 6.2 | 10 | 2.7 | | | 106 | 114 | 78 | 158 | 189 | 128 | 311 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Oct-05 | Feb-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <4 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <4 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <4 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <6 | <3 | <3 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <4 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 21.9 | 17.2 | 18.7 | 9.0 | 18.8 | 19.7 | 14.9 | <10 | 14.1 | <10 | 8.6 | 7.0 | 6.0 | 6.3 | 4.2 | 2.4 | 3.3 | <1 | 3.6 | 4.1 |
| cis-1,2-Dichloroethene | 6 | 10.1 | 11.2 | 9.4 | 6.0 | 9.9 | 10.7 | <10 | <10 | <10 | <10 | 3.0 | 3.3 | 4.5 | 4.8 | 2.4 | 1.6 | 2.6 | 2.0 | 2.7 | 1.7 |
| trans-1,2-Dichloroethene | 10 | 3.2 | 3.5 | 3.1 | 1.5 | 2.8 | 2.8 | <10 | <10 | <10 | <10 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <4 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.7 | 6.0 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | 2.6 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 314 | 306 | 363 | 191.4 | 220.5 | 297.7 | 213 | 191.8 | 292.1 | 170 | 164 | 104.2 | 100 | 103 | 66.3 | 48.6 | 54.7 | 36.7 | 61.3 | 56.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 349 | 340 | 400 | 211 | 252 | 331 | 228 | 192 | 306 | 170 | 177 | 115 | 112 | 114 | 73 | 53 | 61 | 39 | 68 | 62 |
| Total Concentration of VOCs | | 349 | 340 | 400 | 211 | 252 | 331 | 228 | 192 | 306 | 170 | 177 | 115 | 112 | 114 | 73 | 53 | 61 | 39 | 68 | 62 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-06 | Mar-06 | Mar-06 | Apr-06 | Jun-06 | Jul-06 | Aug-06 | Oct-06 | Nov-06 | Dec-06 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 3.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.4 | | 3.5 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.6 | 12.5 | 9.9 | 2.8 | <1 | 8.5 | <1 | <1 | 3.0 | <1 | <1 | 3.8 | <1 | 5.6 | <1 | 4.4 | <1 | 2.3 | <1 | 5.7 |
| cis-1,2-Dichloroethene | 6 | 2.0 | 9.4 | 6.5 | 2.8 | <1 | 6.3 | <1 | <1 | 2.2 | <1 | <1 | 2.2 | <1 | 2.9 | <1 | 3.4 | <1 | 2.8 | 2.2 | 3.9 |
| trans-1,2-Dichloroethene | 10 | <1 | 2.7 | 2.3 | <1 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.5 | <1 | <1 | <1 | 1.2 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 57.1 | 294 | 232 | 69.2 | 25 | 251 | 6.7 | 6.8 | 101 | 21 | 1.6 | 115 | 16.3 | 147 | 13.8 | 143 | 31.9 | 94.1 | 30.7 | 131 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 63 | 319 | 251 | 75 | 25 | 268 | 6.7 | 6.8 | 106 | 21 | 1.6 | 121 | 16 | 157 | 14 | 152 | 32 | 99 | 33 | 142 |
| Total Concentration of VOCs | | 63 | 319 | 251 | 75 | 25 | 268 | 6.7 | 6.8 | 106 | 21 | 1.6 | 121 | 18 | 157 | 17 | 152 | 32 | 99 | 33 | 142 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | 1.4 | 4.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 1.4 | 4.6 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.2 | 3.3 | 6.6 | 2.1 | 4.7 | 2.0 | 4.4 | <1 | <1 | <1 | <1 | 4.6 | <1 | <1 | 4.4 | 8.9 | 2.5 | 4.8 | 2.0 | 3.7 |
| cis-1,2-Dichloroethene | 6 | 3.0 | 3.4 | 4.9 | 2.8 | 3.7 | 2.8 | 3.9 | 1.6 | <1 | <1 | <1 | 3.9 | <1 | 1.7 | 3.5 | 6.9 | 3.3 | 3.9 | 3.5 | 3.6 |
| trans-1,2-Dichloroethene | 10 | 1.1 | <1 | 2.1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | 2.9 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 135 | 109 | 218 | 62.7 | 130 | 57.4 | 145 | 30.7 | 6.5 | 50 | 43.7 | 160 | 26.2 | 30.2 | 128 | 296 | 61.9 | 159 | 54.7 | 134 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 143 | 116 | 232 | 68 | 138 | 62 | 155 | 32 | 6.5 | 50 | 44 | 170 | 26 | 32 | 136 | 315 | 68 | 168 | 60 | 141 |
| Total Concentration of VOCs | | 143 | 116 | 232 | 68 | 138 | 62 | 155 | 32 | 6.5 | 50 | 44 | 170 | 28 | 37 | 136 | 315 | 68 | 168 | 60 | 141 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10(G) | Jul-10(G) | Aug-10 | Sep-10* | Oct-10* | Nov-10 | Dec-10 | Jan-11^ | Mar-11 | Jun-11 | Jul-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.4 | 5.8 | 2.0 | 4.8 | 3.3 | 7.5 | 2.7 | 5.3 | 2.8 | 4.2 | 6.1 | 3.7 | 1.8 | 1.4 | 1.9 | 4.0 | 2.1 | 1.3 | 1.1 | 1.2 |
| cis-1,2-Dichloroethene | 6 | 3.9 | 4.7 | 4.7 | 4.0 | 3.4 | 5.7 | 4.6 | 4.0 | 3.8 | 2.8 | 4.5 | 4.6 | 3.4 | 3.0 | 5.4 | 3.7 | 3.5 | 3.4 | 2.4 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | 1.5 | <1 | 1.2 | <1 | 1.9 | <1 | 1.6 | <1 | 1.2 | 2.0 | 1.4 | <0.5 | <0.5 | <1 | 1.2 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | 1.5 | <0.5 | <1 | 5.1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 63.9 | 153 | 42.9 | 147 | 62.1 | 179 | 77.4 | 129 | 53.5 | 137 | 220 | 137 | 40 | 35 | 29.4 | 124 | 41 | 30.3 | 23.2 | 28.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 72 | 165 | 50 | 157 | 69 | 194 | 85 | 140 | 60 | 145 | 233 | 147 | 45 | 39 | 37 | 134 | 47 | 35 | 32 | 32 |
| Total Concentration of VOCs | | 72 | 165 | 50 | 157 | 69 | 194 | 85 | 140 | 60 | 145 | 233 | 147 | 45 | 39 | 37 | 134 | 47 | 35 | 32 | 32 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25A-98-1 (Cont'd) | | | | | | | | 25A-98-3 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-11 | Nov-11 | Jan-12 | Mar-12 | (D)* | May-12 | Jul-12 | Sep-12 | Jun-98 | (D)* | Sep-98 | Dec-98 | Mar-99 | (D)* | Jun-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <5 | <0.5 | <50 | <5 | <5 | <0.5 | <5 | <50 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <2 | <1 | <2 | <20 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <1 | 0.51 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.2 | 1.8 | <10 | 1.4 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 2.2 | 2.7 | 1.7 | 1.3 | 3.0 | 61.9 | 77 | 50.1 | 66.6 | 4.1 | 5.7 | 12.1 | 31.8 | 43.2 | 4.3 | 8.9 | 9.8 |
| cis-1,2-Dichloroethene | 6 | 2.3 | 4.3 | 3.9 | 4.8 | 6.1 | 7.4 | 9.7 | 5.2 | 4.4 | 6.1 | <10 | 4.8 | <1 | 0.57 | 1.3 | <10 | 3.7 | <1 | 1.3 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.2 | 1.3 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.63 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.64 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 31.8 | 26.9 | 36.3 | 67.2 | 66 | 46 | 22.5 | 82.1 | 390 | 400 | 324 | 352 | 34.5 | 37 | 128 | 279 | 267 | 111 | 167 | 157.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.51 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 34 | 31 | 40 | 74 | 75 | 55 | 34 | 90 | 459 | 488 | 374 | 425 | 39 | 43 | 141 | 311 | 314 | 115 | 177 | 169 |
| Total Concentration of VOCs | | 34 | 31 | 40 | 74 | 75 | 55 | 34 | 90 | 459 | 488 | 374 | 425 | 39 | 43 | 141 | 311 | 314 | 115 | 177 | 169 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) Nov-00 | Mar-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Dec-02 | Mar-03 | Jun-03 | Sep-03 | Nov-03 | Feb-04 | Jun-04 | Sep-04 | Nov-04 | Feb-05 | Apr-05 | Jun-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 41.6 | 3.5 | 57.8 | 15.8 | 57.4 | 65.8 | 31.9 | 14.5 | 8.3 | 6.9 | 4.7 | 4.3 | 4.0 | 2.4 | 3.1 | 4.0 | 5.2 | 3.3 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.9 | <1 | <10 | <10 | <10 | <10 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <10 | <10 | <10 | <10 | 1.8 | 4.2 | <1 | <1 | <1 | <1 | <1 | 3.6 | 1.2 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 274.8 | 116.8 | 235.1 | 229.4 | 307.3 | 382.5 | 228.5 | 143.6 | 86.7 | 97.8 | 53.3 | 70.5 | 48.7 | 35.7 | 43.3 | 42.9 | 57.4 | 58.1 | 31.7 | 28.7 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 319 | 120 | 293 | 245 | 365 | 448 | 264 | 162 | 95 | 106 | 58 | 75 | 53 | 42 | 48 | 47 | 63 | 61 | 32 | 29 |
| Total Concentration of VOCs | | 319 | 120 | 293 | 245 | 365 | 448 | 264 | 162 | 95 | 106 | 58 | 75 | 53 | 42 | 48 | 47 | 63 | 61 | 32 | 29 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-05 | Oct-05[T] | Dec-05[T] | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.1 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.2 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 33 | 22 | 26.4 | 26.6 | 21.5 | 21.3 | 19.1 | 18.8 | 20 | 20.3 | 24.4 | 14.5 | 12.4 | 13.3 | 14.1 | 13 | 12.3 | 13.6 | 17.1 | 13.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 33 | 22 | 29 | 27 | 22 | 21 | 19 | 19 | 22 | 20 | 24 | 15 | 12 | 13 | 14 | 14 | 12 | 14 | 18 | 14 |
| Total Concentration of VOCs | | 33 | 22 | 29 | 27 | 22 | 21 | 19 | 19 | 22 | 20 | 24 | 15 | 12 | 13 | 14 | 14 | 12 | 14 | 18 | 14 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07* | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.1 | 1.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 14.6 | 12.8 | 13.9 | 15.2 | 13.1 | 10.8 | 14.2 | 17 | 16.9 | 21 | 16.3 | 19.2 | 20 | 16.8 | 19.4 | 10.6 | 17.1 | 15.1 | 13.4 | 11.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 15 | 13 | 14 | 15 | 13 | 11 | 14 | 17 | 17 | 22 | 16 | 20 | 22 | 18 | 19 | 11 | 17 | 15 | 13 | 11 |
| Total Concentration of VOCs | | 15 | 13 | 14 | 15 | 13 | 11 | 14 | 17 | 17 | 22 | 16 | 20 | 22 | 18 | 19 | 11 | 17 | 15 | 13 | 11 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.5 | 9.8 | 14 | 9.7 | 13.1 | 12.4 | 11.8 | 13.2 | 10.1 | 11.5 | 8.0 | 11.1 | 10.4 | 9.0 | 11.1 | 8.3 | 10.6 | 7.2 | 7.8 | 5.6 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11 | 9.8 | 15 | 9.7 | 13 | 12 | 12 | 13 | 10 | 12 | 8.0 | 11 | 10.4 | 9.0 | 11 | 8.3 | 11 | 7.2 | 9.1 | 5.6 |
| Total Concentration of VOCs | | 11 | 9.8 | 15 | 9.7 | 13 | 12 | 12 | 13 | 10 | 12 | 8.0 | 11 | 10.4 | 9.0 | 11 | 8.3 | 11 | 7.2 | 9.1 | 5.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-10* | Jul-10(G) | Jul-10(G) | Aug-10 | Sep-10* | Oct-10* | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | <2 | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <0.5 | 0.58 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.4 | 6.9 | 8.2 | 8.8 | 8.3 | 5.3 | 5.2 | 8.2 | 7.3 | 5.2 | 8.5 | 7.3 | 7.1 | 8.7 | 7.5 | 7.4 | 6.7 | 7.5 | 5.0 | 4.9 | 4.9 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.4 | 6.9 | 8.2 | 8.8 | 8.3 | 5.9 | 5.2 | 8.2 | 7.3 | 5.2 | 8.5 | 7.3 | 7.1 | 8.7 | 7.5 | 7.4 | 6.7 | 7.5 | 5.0 | 4.9 | 4.9 |
| Total Concentration of VOCs | | 7.4 | 6.9 | 8.2 | 8.8 | 8.3 | 5.9 | 5.2 | 8.2 | 7.3 | 5.2 | 8.5 | 7.3 | 7.1 | 8.7 | 7.5 | 7.4 | 6.7 | 7.5 | 5.0 | 4.9 | 4.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-7 Dec-99 | (D)* | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Oct-05 | Jan-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <3 | <3 | <3 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 6.0 | 3.9 | <1 | 4.5 | 1.2 | 1.1 | 2.6 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 0.55 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | 1.3 | <1 | <1 | 2.5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | 0.58 | <1 | <1 | <1 | 1.1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 293 | 210 | 106 | 219.9 | 106.8 | 93.1 | 139.1 | 342.8 | 194.9 | 78 | 57.2 | 42.2 | 61.8 | 45.4 | 25.6 | 21.2 | 32.9 | 21.7 | 10.6 | 10.5 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 299 | 215 | 107 | 224 | 108 | 98 | 142 | 343 | 195 | 78 | 57 | 42 | 62 | 45 | 26 | 21 | 33 | 22 | 11 | 11 |
| Total Concentration of VOCs | | 299 | 215 | 107 | 224 | 108 | 98 | 142 | 343 | 195 | 78 | 57 | 42 | 62 | 45 | 26 | 21 | 33 | 22 | 11 | 11 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-7 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-06 | Mar-06 | Mar-06 | Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 15.4 | 14.7 | 12.6 | 12.1 | 11.5 | 13.6 | 10.8 | 9.4 | 8.3 | 11.8 | 8.2 | 6.8 | 11.6 | 7.9 | 11.7 | 7.0 | 9.1 | 7.3 | 6.5 | 6.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 15 | 17 | 13 | 12 | 12 | 14 | 11 | 9.4 | 8.3 | 12 | 8.2 | 6.8 | 12 | 7.9 | 12 | 7.0 | 9.1 | 7.3 | 6.5 | 6.8 |
| Total Concentration of VOCs | | 15 | 17 | 13 | 12 | 12 | 14 | 11 | 9.4 | 8.3 | 12 | 8.2 | 6.8 | 12 | 7.9 | 12 | 7.0 | 9.1 | 7.3 | 6.5 | 6.8 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-7 (Cont'd) May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | (D)* | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.5 | 6.7 | 13.7 | 8.9 | 14.7 | 8.7 | 13.2 | 15.8 | 11.1 | 11.4 | 13 | 8.2 | 8.5 | 7.5 | 7.1 | 6.6 | 9.6 | 6.2 | 7.0 | 6.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.5 | 6.7 | 14 | 8.9 | 15 | 8.7 | 13 | 16 | 11 | 11 | 13 | 8.2 | 8.5 | 7.5 | 7.1 | 6.6 | 9.6 | 6.2 | 7.0 | 6.3 |
| Total Concentration of VOCs | | 7.5 | 6.7 | 14 | 8.9 | 15 | 8.7 | 13 | 16 | 11 | 11 | 13 | 8.2 | 8.5 | 7.5 | 7.1 | 6.6 | 9.6 | 6.2 | 7.0 | 6.3 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 25A-98-7 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | (D)* | Apr-10 | May-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 7.3 | 7.1 | 5.8 | 6.5 | 7.1 | 6.7 | 7.1 | 6.0 | 14.6 | 6.9 | 10.9 | 6.6 | 12.7 | 6.7 | 5.7 | 5.5 | 6.0 | 6.4 | 5.1 | 7.2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.3 | 7.1 | 5.8 | 6.5 | 7.1 | 6.7 | 7.1 | 6.0 | 15 | 6.9 | 11 | 6.6 | 13 | 6.7 | 5.7 | 5.5 | 6.0 | 6.4 | 5.1 | 7.2 |
| Total Concentration of VOCs | | 7.3 | 7.1 | 5.8 | 6.5 | 7.1 | 6.7 | 7.1 | 6.0 | 15 | 6.9 | 11 | 6.6 | 13 | 6.7 | 5.7 | 5.5 | 6.0 | 6.4 | 5.1 | 7.2 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25A-98-7 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-10(G) | Jul-10(G) | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Mar-11 | (D)* | Jun-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | (D)* | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.2 | 6.3 | 3.1 | 3.7 | 4.6 | 2.8 | 5.1 | 4.6 | 5.2 | 5.5 | 5.3 | 4.0 | 4.3 | 3.6 | 3.6 | 4.3 | 3.6 | 3.7 | 3.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.2 | 6.3 | 3.1 | 3.7 | 4.6 | 2.8 | 5.1 | 4.6 | 5.2 | 7.1 | 5.3 | 4.0 | 4.3 | 3.6 | 3.6 | 4.3 | 3.6 | 3.7 | 3.2 |
| Total Concentration of VOCs | | 5.2 | 6.3 | 3.1 | 3.7 | 4.6 | 2.8 | 5.1 | 4.6 | 5.2 | 7.1 | 5.3 | 4.0 | 4.3 | 3.6 | 3.6 | 4.3 | 3.6 | 3.7 | 3.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-99-2 May-99(G | Jul-99 | (D)* | Dec-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <5 | <50 | <25 | <50 | <50 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | 4.6 | 4.3 | <1 | <1 | <1 | <3 | <3 | <3 | <30 | <30 | <3 | <30 | <15 | <30 | <30 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 9.7 | 13.9 | 12 | 23.6 | 15.3 | 17.6 | 13.5 | 16.5 | 22 | 15.9 | 16 | 14.1 | 14.7 | 13.3 | 20.3 | 15.5 | 16.2 | 13.5 | 12.2 | 9.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 0.52 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <2 | <20 | <10 | <20 | <20 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | 1.1 | <1 | 2.8 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 6.3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 252 | 244 | 140 | 385 | 177 | 337 | 236.9 | 228.1 | 268.2 | 284.3 | 278 | 320 | 271.2 | 242.2 | 310.7 | 265 | 304 | 245 | 241 | 155.0# |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <1 | <10 | <5 | <10 | <10 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 268 | 263 | 157 | 410 | 192 | 357 | 250 | 245 | 290 | 300 | 294 | 334 | 286 | 256 | 331 | 281 | 320 | 259 | 253 | 164 |
| Total Concentration of VOCs | | 268 | 263 | 157 | 410 | 192 | 357 | 250 | 245 | 290 | 300 | 294 | 334 | 286 | 256 | 331 | 281 | 320 | 259 | 253 | 164 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25A-99-2 (Cont'd) | | | | | | | | | | | | | | | | 26-92-11 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Feb-06 | Aug-06 | Feb-07 | Sep-07 | Jan-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Jul-10(G) | Jul-10(G) | Sep-10* | Nov-10 | Aug-11 | Jul-12* | Dec-92 | Mar-93 | Jun-93 | Aug-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <5 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <5 | <1 | 1.0 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | 7.1 | 2.0 | 5.8 | 3.4 | 3.2 | <1 | 3.3 | 1.6 | <1 | <1 | <1 | 1.9 | 1.5 | <1 | 0.63 | 6.8 | <1 | 1.0 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 15.9 | 15.9 | 21.6 | 13 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | 1.2 | 1.0 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 161 | 157 | 152 | 139 | 99.2 | 88.9 | 54.4 | 98.2 | 68.8 | 46.5 | 38.9 | 52.8 | 52 | 48.2 | 44.1 | 31 | <5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.6 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 161 | 164 | 154 | 145 | 103 | 92 | 54 | 102 | 70 | 47 | 39 | 53 | 54 | 50 | 44 | 32 | 23 | 17 | 25 | 13 |
| Total Concentration of VOCs | | 161 | 164 | 154 | 145 | 103 | 92 | 54 | 102 | 70 | 47 | 39 | 53 | 54 | 50 | 44 | 32 | 23 | 17 | 25 | 13 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 26-92-11 (Cont'd) Nov-93 | Mar-94 | (D)* | Jun-94 | Aug-94 | Dec-94* | (D)* | Jan-95* | Jun-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Mar-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.74 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.9 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 0.6 | <1 | <1 | 1.1 | 1.2 | <0.5 | 0.78 | 1.0 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 25.3 | 12.1 | 12 | 9.8 | 20.4 | 15 | 16 | 13 | 13 | 13.8 | 17.2 | 11.8 | 9.8 | 9.2 | 9.9 | 9.1 | 10.3 | 7.0 | 9.0 | 8.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | 0.51 | 0.55 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.98 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 25 | 12 | 13 | 9.8 | 20 | 17 | 18 | 16 | 14 | 15 | 19 | 12 | 9.8 | 9.2 | 9.9 | 9.1 | 10 | 7.0 | 9.0 | 8.2 |
| Total Concentration of VOCs | | 25 | 12 | 13 | 9.8 | 20 | 17 | 18 | 16 | 14 | 15 | 19 | 12 | 9.8 | 9.2 | 9.9 | 9.1 | 10 | 7.0 | 9.0 | 8.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 26-92-11 (Cont'd) | | | | | | | | | | | | | | | 27-92-20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-00 | Feb-01 | Sep-01 | Mar-02 | Sep-02 | Aug-03* | Aug-04 | Aug-05 | Jul-06 | Sep-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Oct-92 | (D) ^ | Jan-93 | Feb-93 | May-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | 1.7 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 16 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | 6.1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | 1.7 | | | | | | | | | | | | | 22.1 | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 32.2 | 31 | 36 | 24.5 | 16.7 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 49.6 | <2 | 47.2 | 20.7 | 25.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 3.4 | 1.9 | <1 | 2.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 44 | 11.4 | <1 | 3.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | 4.9 | 1.3 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 36 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 10.1 | 11 | 8.1 | 9.2 | 10.5 | 9.9 | 8.5 | 9.8 | 10.3 | 7.4 | 9.0 | 9.3 | 7.6 | 7.6 | 7.5 | 72 | 48 | 24.5 | 32.7 | 25.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 80.4 | 43 | 19.7 | 24.9 | 32.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.4 | | 2.3 | 2.2 | 3.8 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | | | | | <5 | <2 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 10 | 11 | 8.1 | 9.2 | 11 | 9.9 | 8.5 | 9.8 | 10 | 7.4 | 9.0 | 9.3 | 7.6 | 7.6 | 7.5 | 240 | 205 | 148 | 106 | 112 |
| Total Concentration of VOCs | | 10 | 11 | 8.1 | 11 | 11 | 9.9 | 8.5 | 9.8 | 10 | 7.4 | 9.0 | 9.3 | 7.6 | 7.6 | 7.5 | 240 | 228 | 148 | 106 | 112 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) Aug-93 | Nov-93 | Mar-94 | Jun-94 | Jul-94 | Aug-94 | Sep-94 | Dec-94* | Feb-95* | Mar-95* | May-95* | Jul-95 | Aug-95 | Sep-95 | Nov-95 | Mar-96 | (D)* | Jun-96 | Aug-96 | Nov-96 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | 10.9 | 5.7 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.57 | <0.5 | <0.5 | 0.83 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 10.9 | 5.7 | 0.57 | | | 0.83 | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | 1.9 | <1 | <1 | 2.1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 19.5 | 23.4 | 2.6 | <1 | <1 | 3.9 | 12.8 | 4.2 | 11 | 7.6 | 5.4 | 16.3 | 11.5 | 12.2 | 13.8 | 6.4 | 6.8 | 5.9 | 10 | 10 |
| Chloroform | 80 | 30.3 | 37.2 | 39.6 | 12.6 | 21.9 | 30.1 | 31.5 | 13 | 19 | 14 | 10 | 17.6 | 21.7 | 23.5 | 29.3 | 26.3 | 13 | 16.8 | 21.7 | 23.3 |
| 1,1-Dichloroethane | 5 | <1 | 3.3 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.2 | 1.5 | <1 | <1 | <1 | <1 | 1.2 | 0.52 | 0.79 | 0.52 | <0.5 | <1 | <1 | <1 | 1.3 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 3.2 | <1 | <1 | 1.5 | 1.2 | 3.2 | <0.5 | 1.9 | 1.5 | 0.98 | 2.3 | 3.0 | 3.1 | 3.5 | 1.9 | 1.7 | 2.3 | 2.2 | 1.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 24.4 | 84.2 | 8.6 | 2.8 | 11.6 | 22.5 | 41.5 | 12 | 18 | 16 | 8.6 | 10.9 | 16.7 | 19.1 | 37.8 | 17.6 | 16 | 15.2 | 22.1 | 17.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 32.6 | 36.3 | 9.3 | 3.7 | 13.8 | 18.2 | 50.1 | 11 | 20 | 16 | 11 | 11.8 | 21.1 | 23.4 | 30.5 | 17.2 | 16 | 13.2 | 21.8 | 22.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 111 | 189 | 62 | 19 | 49 | 78 | 140 | 41 | 71 | 56 | 36 | 59 | 74 | 81 | 116 | 69 | 54 | 53 | 78 | 75 |
| Total Concentration of VOCs | | 111 | 189 | 62 | 19 | 49 | 89 | 146 | 41 | 71 | 56 | 37 | 59 | 74 | 81 | 116 | 69 | 54 | 53 | 78 | 75 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-97 | Jul-97(G) | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Apr-05 | May-05 | May-05* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | 37.5 | 5.1 | 6.3 | 3.9 | 4.6 | 4.1 | 5.5 | 5.0 | 5.7 | 7.5 | 7.6 | 5.9 | 2.4 | 4.9 | 5.4 # | 3.2 | 2.3 | <1 | 1.6 | 1.2 |
| Chloroform | 80 | 15 | 12.5 | 15 | 9.4 | 10.9 | 9.9 | 15 | 10.3 | 14 | 13.2 | 14.6 | 14.9 | 7.1 | 17.6 | 11.7 | 10.4 | 7.1 | 4.9 | 4.8 | 4.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 6.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 7.8 | 1.5 | 1.5 | <1 | 2.1 | 1.7 | 2.4 | 1.6 | 2.4 | 2.1 | 2.6 | 2.1 | 1.4 | 3.7 | 1.8 | 2.8 | 2.7 | <1 | 2.1 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 2320 | 12.7 | 15.6 | 8.7 | 12.1 | 14.1 | 15.5 | 15 | 17.9 | 29.6 | 28.4 | 18.4 | 7.8 | 16.2 | 16.9 | 8.6 | 6.1 | 3.5 | 3.4 | 3.3 |
| 1,1,1-Trichloroethane | 200 | 15 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 531 | 12.9 | 14.8 | 9.5 | 12.3 | 11.7 | 16.9 | 10.9 | 14.5 | 17.9 | 19.1 | 16.3 | 7.8 | 16 | 10.7 | 9.4 | 9.0 | 6.2 | 6.6 | 5.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 2,933 | 45 | 53 | 32 | 42 | 42 | 55 | 45 | 55 | 70 | 72 | 58 | 27 | 58 | 47 | 34 | 27 | 15 | 19 | 16 |
| Total Concentration of VOCs | | 2,933 | 45 | 53 | 32 | 42 | 42 | 55 | 45 | 55 | 70 | 72 | 58 | 27 | 58 | 47 | 34 | 27 | 15 | 19 | 16 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-05 | Aug-05 | Sep-05 | Oct-05 | Dec-05 | Feb-06 | Mar-06 | Apr-06 | Jun-06 | Aug-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.3 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 3.5 | 3.9 | 6.4 | 3.7 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.8 | <1 | <1 | 2.1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.55 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.2 | 3.5 | 3.4 | 2.3 | 1.8 | 1.6 | 2.1 | <1 | 1.3 | 1.5 | 1.5 | 1.4 | 2.3 | 1.4 | 1.7 | 1.6 | 1.4 | 1.2 | 1.3 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.0 | 5.6 | 5.5 | 4.7 | 3.7 | 3.2 | 3.5 | <1 | 2.1 | 2.4 | 2.2 | 3.0 | 3.4 | 2.0 | 2.5 | 2.1 | 2.5 | 2.0 | 2.2 | 1.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 16 | 13 | 15 | 14 | 7.9 | 4.8 | 5.6 | | 3.4 | 3.9 | 3.7 | 4.4 | 5.7 | 3.4 | 4.2 | 5.8 | 3.9 | 3.2 | 3.5 | 3.1 |
| Total Concentration of VOCs | | 16 | 13 | 15 | 14 | 7.9 | 4.8 | 5.6 | | 3.4 | 3.9 | 3.7 | 4.4 | 5.7 | 3.4 | 4.2 | 5.8 | 3.9 | 3.2 | 3.5 | 3.1 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.2 | 1.5 | 1.4 | 1.9 | 1.2 | 2.1 | 1.2 | 1.4 | 1.4 | <1 | 1.4 | <1 | <1 | 2.0 | <1 | <1 | <1 | <1 | 2.9 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.9 | 1.9 | 1.8 | 2.2 | 2.0 | 2.2 | 2.2 | 2.4 | 2.4 | 2.4 | 2.8 | 1.9 | 2.1 | 1.8 | 1.8 | 1.4 | 2.4 | 1.4 | 1.6 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.1 | 3.4 | 3.2 | 4.1 | 3.2 | 4.3 | 3.4 | 3.8 | 3.8 | 2.4 | 4.2 | 1.9 | 2.1 | 3.8 | 1.8 | 1.4 | 2.4 | 1.4 | 4.5 | 1.4 |
| Total Concentration of VOCs | | 3.1 | 3.4 | 3.2 | 4.1 | 3.2 | 4.3 | 3.4 | 3.8 | 3.8 | 2.4 | 4.2 | 1.9 | 2.1 | 3.8 | 1.8 | 1.4 | 2.4 | 1.4 | 4.5 | 1.4 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11* | Mar-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.3 | 0.67 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.5 | 0.53 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.3 | 1.4 | 1.3 | <1 | <1 | <1 | 0.8 | 0.74 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | 1.7 | 1.5 | 1.7 | 1.4 | 1.4 | 1.1 | <1 | 1.0 | <1 | <1 | 1.4 | 1.4 | 1.1 | 1.5 | <1 | 1.1 | <1 | 1.1 | 1.1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 1.7 | 1.5 | 1.7 | 1.4 | 1.4 | 1.1 | | 1.0 | | | 2.6 | 2.7 | 2.5 | 2.8 | | 1.1 | | 3.7 | 3.0 | |
| Total Concentration of VOCs | | 1.7 | 1.5 | 1.7 | 1.4 | 1.4 | 1.1 | | 1.0 | | | 2.6 | 2.7 | 2.5 | 2.8 | | 1.1 | | 3.7 | 3.0 | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 27-92-20 (Cont'd) | | | | | | | | | 46-92-9 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-11 | May-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12* | Apr-12 | Jun-12 | Aug-12 | Oct-92 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Feb-94 | Aug-94 | Feb-95* | Aug-95 | Feb-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | 6.7 | 1.5 | <1 | <1 | <1 | <1 | <1 | 0.85 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 6.7 | 1.5 | | | | | | 0.85 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 1.0 | <3 | <3 | <3 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 0.58 | 2.9 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.0 | <1 | <1 | <1 | 1.2 | <1 | <1 | 1.0 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Freon-123A | | | | | | | | | | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.0 | | | | 2.8 | 2.9 | | 1.0 | | | | | | | | | | | |
| Total Concentration of VOCs | | | 1.0 | | | | 2.8 | 2.9 | | 1.0 | | 6.7 | 1.5 | | | | | | 0.9 | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 46-92-9 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-96 | Mar-97 | Aug-97 | Mar-98 | Aug-98 | Feb-99 | Aug-00* | Aug-01 | Aug-02 | Jul-03* | Jul-04 | Nov-04 | Jul-05 | Aug-05 | Jul-06 | Sep-07 | Jul-08 | Aug-09 | Aug-10 | Aug-11 | Jul-12* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | 5.5 | <5 | <5 | <5 | 1.5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | 5.5 | | | | 1.5 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | 3 | 3 | 3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 3.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | 3.4 | | | | | | | | | | |
| Total Concentration of VOCs | | | | 5.5 | | | | 1.5 | | | | 3.4 | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 46-93-12 Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | Nov-94* | (D)* | Feb-95* | May-95* | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | May-97 | Aug-97 | Nov-97 | Mar-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 9.3 | 7.3 | 5.9 | <1 | 3.7 | 7.1 | 6.4 | 3.8 | 3.0 | 4.0 | 3.4 | 2.5 | 1.2 | 2.6 | 1.4 | 1.5 | 1.3 | 1.2 | 1.5 | <1 |
| Chloroform | 80 | 16.1 | 17 | 14.7 | 14.9 | 8.7 | 17 | 16 | 8.5 | 6.2 | 9.8 | 12.8 | 14.7 | 5.8 | 7.0 | 5.2 | 4.6 | 4.1 | 5.2 | 6.9 | 5.4 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | 0.53 | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.8 | 1.3 | <1 | <1 | 0.7 | 0.64 | 0.78 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.9 | 6.9 | 8.5 | 7.2 | 3.5 | 3.1 | 2.8 | 6.7 | 3.4 | 6.8 | 5.6 | 4.1 | 9.7 | 7.1 | 1.7 | 1.8 | 4.3 | 2.6 | 2.0 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 11.9 | 14 | 18.9 | 13.4 | 13.6 | 17 | 15 | 12 | 8.6 | 8.9 | 11.3 | 6.7 | 8.8 | 7.1 | 4.4 | 3.7 | 4.3 | 5.1 | 6.4 | 4.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 20.8 | 26 | 26.8 | 17.7 | 21.5 | 20 | 18 | 16 | 11 | 17.1 | 18.7 | 12.2 | 11.6 | 9.9 | 7.1 | 6.5 | 8.0 | 7.8 | 8.9 | 7.5 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | 1.5• | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 66 | 72 | 76 | 53 | 51 | 65 | 59 | 49 | 32 | 47 | 52 | 40 | 37 | 34 | 20 | 18 | 22 | 22 | 26 | 19 |
| Total Concentration of VOCs | | 66 | 72 | 76 | 53 | 51 | 65 | 59 | 49 | 32 | 47 | 52 | 40 | 37 | 34 | 20 | 18 | 22 | 22 | 26 | 19 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 46-93-12 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99# | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Feb-01 | May-01 | Sep-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | 1.4 | 1.3 | 1.6 | <1 | 1.1 | 1.7 | 2.1 | 1.7 | 1.0 | 1.1 | 1.9 | 1.9 | 1.5 | 2.7 | 2.2 | <1 | 1.2 | 1.5 | <1 | 1.5 | 1.4 |
| Chloroform | 80 | 4.8 | 4.5 | 5.8 | 3.5 | 3.4 | 6.5 | 8.5 | <1 | 3.5 | 4.7 | 6.8 | 6.7 | 5.5 | 7.7 | 8.1 | 3.6 | 4.1 | 5.6 | 3.8 | 7 | 6.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.3 | 3.6 | 3.2 | 3.7 | 5.4 | 4.1 | 3.7 | <1 | 2.6 | 4.5 | 3.2 | 4.7 | 15.9 | 7.1 | 3.0 | 6.3 | 12.8 | 12 | 3.6 | 13 | 4.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 6.7 | 5.4 | 6.5 | 8.2 | 6.3 | 6.5 | 9.6 | 7.7 | 4.7 | 5.1 | 6.6 | 12.8 | 9.2 | 12 | 8.9 | 6.1 | 5.1 | 6.9 | 5.3 | 18 | 7.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 10.4 | 7.7 | 8.6 | 7.3 | 8.3 | 10 | 11.3 | 7.0 | 6.0 | 6.5 | 7.8 | 11.1 | 13.2 | 13.9 | 9.9 | 8.9 | 14.2 | 8.8 | 6.4 | 16 | 7.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 28 | 23 | 26 | 23 | 25 | 29 | 35 | 16 | 18 | 22 | 26 | 37 | 45 | 43 | 32 | 25 | 37 | 35 | 19 | 56 | 27 |
| Total Concentration of VOCs | | 28 | 23 | 26 | 23 | 25 | 29 | 35 | 16 | 18 | 22 | 26 | 37 | 45 | 43 | 32 | 25 | 37 | 35 | 19 | 56 | 27 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 46-93-12 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-04 | Feb-05 | Aug-05 | Oct-05 | Feb-06 | Apr-06 | Jul-06 | Oct-06 | Feb-07 | May-07 | Aug-07 | Jan-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Aug-10 | Mar-11 | Jul-11 | Feb-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 4.7 | 4.4 | 3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 1.9 | 2.2 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.3 | 4.8 | 5.4 | 4.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.2 | 6.4 | 4.6 | 4.9 | 1.3 | <1 | <1 | 2.0 | 1.8 | 1.7 | <1 | 1.1 | 1.6 | 1.3 | 1.1 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 23 | 18 | 15 | 12 | 1.3 | | | 2.0 | 1.8 | 1.7 | | 1.1 | 1.6 | 1.3 | 1.1 | | 1.1 | | | | |
| Total Concentration of VOCs | | 23 | 18 | 15 | 12 | 1.3 | | | 2.0 | 1.8 | 1.7 | | 1.1 | 1.6 | 1.3 | 1.1 | | 1.1 | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 46-96-10 | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-96 | Jun-97 | Aug-97 | (D)* | Aug-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Aug-00* | Nov-00 | Jan-01 | May-01 | Aug-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | 1.5 | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | 1.5 | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 46-96-10 (Cont'd) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-01 | Feb-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Feb-04 | May-04 | Jul-04 | Nov-04 | Jan-05 | May-05 | Jul-06 | Jul-07 | Jul-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 51-94-15 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-94 | (D)* | Feb-95* | Jun-95 | Sep-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Dec-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Jan-99* | Apr-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-94-15 (Cont'd) Aug-99 | Oct-99 | Jan-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 | Jul-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Feb-04 | May-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 51-94-15 (Cont'd) | | | | | | | | | | | | 51-96-3 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-04 | Nov-04 | Jan-05 | Apr-05 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jul-10 | Jul-11 | Jul-12 | Jul-96 | (D)* | Jul-96 | Dec-96 | Feb-97 | May-97 | Aug-97 | Nov-97 |
| **Aromatic or Non-Halogenated** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-96-3 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-98 | May-98* | Aug-98 | Nov-98 | Jan-99 | Apr-99 | Aug-99 | Nov-99 | Jan-00 | May-00 | Aug-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Aug-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 51-96-3 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | May-05 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jul-10 | Jul-11 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-93-14 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-94* | Mar-95* | Jun-95 | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* | Mar-97 | Sep-97 | Mar-98 | Sep-98 | Mar-99 | Sep-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Mar-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.8 | 2.5 | 7.3 | 2.6 | 2.0 | 1.6 | 1.6 | 1.9 | 2.7 | 1.9 | <1 | 3.0 | 1.3 | 1.2 | 2.2 | 3.0 | 2.0 | 3.0 | 2.9 | 1.8 |
| Chloroform | 80 | 6.5 | 4.3 | 5.6 | 4.5 | 4.5 | 1.9 | 3.0 | 2.7 | 3.1 | 1.6 | 1.7 | 1.8 | 1.2 | <1 | 1.7 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 20 | 17 | 18.9 | 20.4 | 22.6 | 15.9 | 16.5 | 14.8 | 17 | 8.9 | 3.8 | 19.4 | 11 | 11.8 | 9.6 | 20.1 | 13.1 | 21 | 18.4 | 12.6 |
| 1,1,1-Trichloroethane | 200 | 1.6 | <0.5 | 2.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18 | 14 | 13.7 | 17.2 | 17 | 8.8 | 9.1 | 11.8 | 12 | 6.1 | 5.3 | 9.1 | 4.5 | 3.3 | 5.2 | 5.2 | 3.6 | 4.4 | 4.6 | 3.4 |
| Freon-113 | 1200 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 49 | 38 | 48 | 45 | 46 | 28 | 30 | 31 | 35 | 19 | 11 | 33 | 18 | 16 | 19 | 28 | 19 | 28 | 26 | 18 |
| Total Concentration of VOCs | | 49 | 38 | 48 | 45 | 46 | 28 | 30 | 31 | 35 | 19 | 11 | 33 | 18 | 16 | 19 | 28 | 19 | 28 | 26 | 18 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 52-93-14 (Cont'd) | | | | | | | | | | | | | | | 52-95-2A | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Jul-06 | May-07 | Sep-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Jan-96 | Sep-98 | Aug-06* | Aug-09 | Sep-10* | Aug-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.4 | 2.5 | 2.2 | 2.7 | 2.5 | 3.0 | 1.9 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | 1.1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 21.5 | 6.9 | 3.9 | <3 | 2.2 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <0.5 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <0.5 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 24.6 | 19.9 | 22.8 | 16.7 | 16.9 | 17 | 14.1 | 8.1 | 6.6 | 2.4 | 7.7 | 8.2 | 5.6 | 8.4 | 5.0 | 4.7 | 1.7 | 1.1 | <1 | 0.64 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 4.7 | 4.4 | 4.3 | 3.8 | 3.4 | 3.2 | 2.1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.3 | 2.6 | 1.5 | 1.5 | 0.86 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 32 | 27 | 29 | 23 | 23 | 23 | 18 | 10 | 6.6 | 2.4 | 7.7 | 8.2 | 5.6 | 8.4 | 5.0 | 35 | 12 | 7.7 | 1.5 | 3.7 | | |
| Total Concentration of VOCs | | 32 | 27 | 29 | 23 | 23 | 23 | 18 | 10 | 6.6 | 2.4 | 7.7 | 8.2 | 5.6 | 8.4 | 5.0 | 35 | 12 | 8.2≈ | 1.5 | 3.7 | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-95-2B | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-95(G) | (D) (G)* | Nov-95(G) | Mar-96 | Jun-96 | Sep-96 | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | May-99 | Mar-00 | Sep-00 | Mar-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 45.5 | 41 | 46.9 | 21.7 | 45.3 | 34.4 | 45.5 | 37.9 | 39 | 27 | 23.9 | 30.9 | 24 | 19.2 | 19 | 20.6 | 18.5 | 21 | 18.6 | 19 |
| Chloroform | 80 | 108 | 90 | 109 | 38.4 | 110 | 105 | 110 | 110 | 87 | 59 | 58 | 76.1 | 62.7 | 51.4 | 35.8 | 61.6 | 58.3 | 44.5 | 46.5 | 68.5 |
| 1,1-Dichloroethane | 5 | 2.1 | 1.9 | 2.0 | <1 | 1.9 | 1.6 | 1.6 | 1.7 | 1.7 | 1.1 | 1.1 | 1.7 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | 1.7 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.9 | 2.6 | 4.4 | 1.2 | 2.1 | 1.8 | 2.0 | 1.2 | 1.8 | <1 | 1.6 | <1 | 1.2 | <1 | 1.3 | 1.3 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.8 | 5.4 | 6.7 | 2.0 | 6.4 | 4.6 | 4.1 | 7.7 | 6.5 | 4.8 | 4.2 | 8.4 | 6.6 | 5.4 | 4.8 | 8.2 | 3.5 | 6.7 | 4.0 | 6.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 122 | 84 | 131 | 196 | 113 | 114 | 114 | 48.2 | 104 | 82.9 | 85.4 | 38.5 | 79.9 | 84.3 | 101 | 44.2 | 74 | 41.9 | 73.2 | 46.6 |
| 1,1,1-Trichloroethane | 200 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 64 | 51 | 74.5 | 51.6 | 43.1 | 59.8 | 62.3 | 44.7 | 60.6 | 40.6 | 37.4 | 45.4 | 38.2 | 36.5 | 35.8 | 34 | 24.9 | 29.2 | 27.4 | 28.7 |
| Freon-113 | 1200 | <1 | 0.99 | 1.4 | 4.4 | 1.2 | <1 | 1.2 | 1.4 | 1.4 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 352 | 278 | 376 | 315 | 323 | 321 | 341 | 253 | 302 | 215 | 212 | 202 | 213 | 197 | 198 | 170 | 179 | 149 | 170 | 171 |
| Total Concentration of VOCs | | 352 | 278 | 376 | 315 | 323 | 321 | 341 | 253 | 302 | 215 | 212 | 202 | 213 | 197 | 198 | 170 | 179 | 149 | 170 | 171 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-95-2B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04* | Aug-04 | Jan-05 | Feb-05 | Feb-05 | Feb-05 | Feb-05 | Mar-05 | Mar-05 | Mar-05 | Mar-05 | Mar-05 | Apr-05 | Apr-05 | Apr-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 23.1 | 16.6 | 15.5 | 13.3 | 6.2 | <0.5 | 2.1 | 6.6 | 4.0 | 4.7 | 3.3 | 3.0 | 3.0 | 2.7 | 2.7 | 2.4 | 2.5 | 2.0 | 1.9 | 1.6 |
| Chloroform | 80 | 45.8 | 74.9 | 42.4 | 51 | 25.3 | <0.5 | 7.5 | 21.4 | 15.2 | 15.7 | 12.7 | 14 | 11.6 | 8.8 | 9.0 | 7.7 | 8.2 | 7.5 | 8.1 | 6.9 |
| 1,1-Dichloroethane | 5 | 1.0 | 1.4 | <1 | 1.0 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.0 | 5.0 | 4.1 | 3.7 | 2.1 | <0.5 | 1.7 | 16 | 10.3 | 10.6 | 8.7 | 8.5 | 7.6 | 6.6 | 5.9 | 4.8 | 4.8 | 4.2 | 4.1 | 3.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 116.3 | 41.5 | 73.1 | 34.2 | 27.2 | 0.63 | 6.5 | 25.4 | 11.7 | 12.3 | 9.4 | 9.4 | 7.2 | 7.6 | 7.5 | 6.6 | 6.2 | 5.4 | 5.3 | 3.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 32.1 | 25.5 | 28.5 | 22 | 11.5 | <0.5 | 5.3 | 38.3 | 25.4 | 23.9 | 18.6 | 16.9 | 14.8 | 13.6 | 13.1 | 12.6 | 12 | 10.6 | 10.2 | 8.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 224 | 165 | 164 | 125 | 72 | 0.6 | 23 | 108 | 67 | 67 | 53 | 52 | 44 | 39 | 38 | 34 | 34 | 30 | 30 | 24 |
| Total Concentration of VOCs | | 224 | 165 | 164 | 125 | 72 | 0.6 | 23 | 108 | 67 | 67 | 53 | 52 | 44 | 39 | 38 | 34 | 34 | 30 | 30 | 24 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-95-2B (Cont'd) May-05 | May-05* | Jun-05 | Jun-05 | Jul-05 | Jul-05 | Aug-05 | Aug-05 | Sep-05* | Sep-05 | Oct-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Mar-06 | Apr-06 | Apr-06 | May-06 | Jun-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.7 | 1.4 | <1 | <1 | <1 | 1.3 | <1 | <1 | 0.86 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 6.5 | 6.3 | 5.8 | 4.7 | 4.4 | 4.1 | 3.6 | 3.6 | 3.5 | <3 | <3 | 4.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.0 | 2.2 | 2.3 | <1 | 2.1 | 1.8 | <1 | 2.7 | 1.8 | <1 | 1.4 | 2.0 | 1.7 | 1.4 | <1 | 1.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 |
| Tetrachloroethene | 5 | 3.6 | 3.5 | 3.2 | 2.6 | 2.5 | 2.1 | <1 | 2.8 | 1.8 | <1 | 1.3 | 2.0 | 1.7 | 1.6 | 2.1 | 1.4 | <1 | <1 | 1.7 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.6 | 6.2 | 6.3 | 5.2 | 5.2 | 5.1 | 4.1 | 4.6 | 4.0 | 3.0 | 2.9 | 5.5 | 3.7 | 3.2 | 3.5 | 2.7 | 2.0 | 1.8 | 2.6 | 1.6 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 22 | 20 | 18 | 13 | 14 | 14 | 7.7 | 14 | 12 | 3.0 | 5.6 | 15 | 7.1 | 6.2 | 5.6 | 5.6 | 2.0 | 1.8 | 7.6 | 1.6 |
| Total Concentration of VOCs | | 22 | 20 | 18 | 13 | 14 | 14 | 7.7 | 14 | 12 | 3.0 | 5.6 | 15 | 7.1 | 6.2 | 5.6 | 5.6 | 2.0 | 1.8 | 7.6 | 1.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-95-2B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-06 | Aug-06 | Aug-06 | Aug-06* | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jul-07 | Aug-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80.0 | <3 | <3 | <3 | 2.3 | <3 | 3.1 | <3 | <3 | 2.4 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6.0 | <1 | <1 | 1.2 | 1.2 | 1.5 | 1.3 | 1.0 | <1 | 0.91 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | 1.2 | 1.1 | 1.4 | 1.4 | 1.5 | 1.2 | <1 | <1 | 1.0 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5.0 | 1.9 | 2.3 | 3.1 | 2.8 | 2.8 | 2.6 | 2.5 | 2.3 | 2.1 | 1.8 | 1.7 | 1.7 | 1.3 | 1.6 | 2.2 | 2.4 | 2.6 | 2.6 | 2.0 | 2.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.1 | 3.4 | 5.7 | 7.7 | 5.8 | 8.2 | 3.5 | 2.3 | 6.4 | 1.8 | 2.8 | 1.7 | 1.3 | 1.6 | 2.2 | 3.4 | 2.6 | 2.6 | 2.0 | 2.5 |
| Total Concentration of VOCs | | 3.1 | 3.4 | 5.7 | 7.7 | 5.8 | 8.2 | 3.5 | 2.3 | 6.4 | 1.8 | 2.8 | 1.7 | 1.3 | 1.6 | 2.2 | 3.4 | 2.6 | 2.6 | 2.0 | 2.5 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-95-2B (Cont'd) May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | 1.6 | <3 | <3 | <3 | 1.2 | <3 | 4.4 | 3.4 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 0.67 | <1 | <1 | <1 | 0.78 | <1 | 1.9 | 1.7 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 0.66 | <1 | <1 | <1 | 1.5 | <1 | 3.0 | 2.4 | 1.5 | 1.1 | <1 | <1 | 1.8 | <1 | 1.7 | 3.7 | 8.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.1 | 2.0 | <1 | 1.7 | 1.6 | 1.4 | <1 | 1.7 | 1.7 | 3.4 | 3.1 | 2.3 | 1.5 | 1.1 | <1 | 1.0 | 1.4 | 1.1 | 1.5 | 2.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.1 | 2.0 | | 4.6 | 1.6 | 1.4 | | 5.2 | 1.7 | 13 | 11 | 5.0 | 2.6 | 1.1 | | 2.8 | 1.4 | 2.8 | 5.2 | 14 |
| Total Concentration of VOCs | | 2.1 | 2.0 | | 4.6 | 1.6 | 1.4 | | 5.2 | 1.7 | 13 | 11 | 5.0 | 2.6 | 1.1 | | 2.8 | 1.4 | 2.8 | 5.2 | 14 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-95-2B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-10 | Apr-10 | May-10 | Jul-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11* | Mar-11 | Apr-11 | Jun-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12^ | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | 1.3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | 5.0 | 3.3 | <3 | <3 | 1.8 | <3 | <3 | <3 | <3 | 1.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.9 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.3 | <1 | <1 | 0.66 | <1 | <1 | <1 | <1 | 0.91 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 9.3 | 4.2 | 9.4 | 4.3 | 1.0 | <1 | <1 | 1.3 | 5.4 | 0.64 | <1 | 4.0 | 1.3 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 2.9 | 2.5 | 2.3 | 1.7 | 1.4 | 1.6 | 1.1 | 1.7 | 1.7 | 1.3 | 1.1 | 1.3 | 1.7 | 1.1 | <1 | <1 | <1 | <1 | 0.7 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 19 | 11 | 12 | 6.0 | 4.9 | 1.6 | 1.1 | 3.0 | 7.1 | 3.9 | 1.1 | 5.3 | 3.0 | 1.1 | | | | | 2.8 | |
| Total Concentration of VOCs | | 19 | 11 | 12 | 6.0 | 4.9 | 1.6 | 1.1 | 3.0 | 7.1 | 3.9 | 1.1 | 5.3 | 3.0 | 1.1 | | | | | 2.8 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-98-9 Nov-98(G | Jul-99 | (D)* | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Jul-03* | Aug-03 | Aug-03 | Aug-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 28.2 | 32.8 | 30 | 22.4 | 20.9 | 19.4 | 15.4 | 17 | 23.6 | 22.3 | 21 | 20.3 | 20.8 | 17.4 | 19.4 | 13.6 | 1.7 | 8.6 | 5.1 | 4.8 |
| Chloroform | 80 | 54.8 | 101 | 78 | 75.6 | 84.6 | 40.6 | 53.8 | 66.2 | 83.6 | 80.8 | 80.5 | 65.7 | 64.8 | 80 | 78.2 | 57 | 8.3 | 19.6 | 25.7 | 15 |
| 1,1-Dichloroethane | 5 | <1 | 1.7 | 1.5 | <10 | 1.5 | 1.6 | 1.1 | 1.2 | 1.5 | 1.8 | 1.6 | 1.5 | 1.4 | 1.4 | 1.3 | 1.0 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.2 | 1.2 | <10 | 1.2 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 27 | 4.8 | 5.7 | <10 | 5.9 | 5.6 | 5.0 | 5.5 | 6.2 | 5.7 | 5.5 | 5.4 | 4.3 | 4.8 | 3.3 | 3.2 | <0.5 | 1.0 | <1 | 3.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 38.7 | 68.4 | 83 | 64.7 | 84 | 37.5 | 40.8 | 40.4 | 56.1 | 51.4 | 67.6 | 58.3 | 57.6 | 40.2 | 58.9 | 36.8 | 10.0# | 410 | 19 | 18.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | 0.54 | <10 | <1 | 3.6 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 93.9 | 45.6 | 38 | 42.8 | 37.1 | 25.3 | 26 | 28.2 | 33.3 | 30.3 | 30.9 | 32.3 | 28.9 | 28.2 | 30.2 | 23.6 | 3.3 | 55.2 | 10.5 | 12.2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 243 | 256 | 238 | 206 | 235 | 134 | 144 | 159 | 204 | 192 | 208 | 184 | 178 | 172 | 191 | 135 | 23 | 494 | 60 | 54 |
| Total Concentration of VOCs | | 243 | 256 | 238 | 206 | 235 | 134 | 144 | 159 | 204 | 192 | 208 | 184 | 178 | 172 | 191 | 135 | 23 | 494 | 60 | 54 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) Oct-04 | Oct-04 | Nov-04 | Jan-05 | May-05 | Aug-05 | Oct-05 | Nov-05 | Nov-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06* | Oct-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | 6.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | 0.54 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | 26.1 | 5.7 | 3.8 | 3.1 | 3.0 | <3 | 3.7 | 3.5 | 4.0 | <3 | 3.2 | <3 | <3 | <3 | <3 | 2.4 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 9.2 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 2.4 | 1.4 | 1.2 | <1 | 1.0 | <1 | <1 | 1.0 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 2.1 | 4.3 | 3.7 | 16.1 | 2.6 | 1.6 | 1.1 | 1.4 | 1.7 | 2.0 | 2.1 | 2.8 | 1.5 | 1.9 | <1 | <1 | <1 | <1 | 1.1 | 2.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | 1.9 | <1 | 22.9 | 4.6 | 3.2 | 1.9 | 2.4 | 2.6 | 2.5 | 3.0 | 4.8 | 2.9 | 3.0 | 2.6 | 1.6 | 1.5 | 1.7 | 2.4 | 1.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 2.1 | 6.2 | 3.7 | 81 | 13 | 8.6 | 6.1 | 6.8 | 4.3 | 8.2 | 9.7 | 15 | 5.8 | 9.8 | 2.6 | 2.6 | 1.5 | 1.7 | 6.9 | 4.0 |
| Total Concentration of VOCs | | 2.1 | 6.2 | 3.7 | 81 | 13 | 8.6 | 6.1 | 6.8 | 4.3 | 8.2 | 9.7 | 15 | 5.8 | 9.8 | 2.6 | 2.6 | 1.5 | 1.7 | 6.9 | 4.0 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Feb-08 | Mar-08 | Apr-08 | May-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | 0.56 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.0 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | 3.6 | <3 | 3.4 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.3 | 3.9 | 3.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.1 | 1.2 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.0 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | 1.2 | <1 | <1 | 1.0 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | 1.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.6 | 2.7 | 2.1 | 2.4 | 2.2 | 1.9 | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 1.6 | 1.9 | 2.3 | 2.5 | 2.5 | 2.4 | 2.3 | 1.9 | 1.9 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.0 | 9.3 | 2.1 | 5.8 | 7.4 | 3.2 | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 1.6 | 1.9 | 2.3 | 7.0 | 10 | 6.9 | 2.3 | 3.4 | 1.9 |
| Total Concentration of VOCs | | 5.0 | 9.3 | 2.1 | 5.8 | 7.4 | 3.2 | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 1.6 | 1.9 | 2.3 | 7.0 | 10 | 6.9 | 2.3 | 3.4 | 1.9 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 1.4 | <3 | <3 | 3.7 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.4 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.2 | <1 | <1 | <1 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <1 | 2.4 | 1.6 | 1.1 | 1.1 | <1 | <1 | 2.6 | <1 | 1.7 | 4.7 | 7.7 | 8.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.9 | 1.6 | 1.6 | <1 | <1 | 1.8 | 1.9 | 1.6 | 2.7 | 2.6 | 1.9 | 1.3 | 1.2 | 1.1 | 1.1 | 1.3 | 1.2 | 1.7 | 1.9 | 1.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.2 | 1.6 | 1.6 | | | 1.8 | 6.1 | 1.6 | 5.1 | 7.9 | 3.0 | 2.4 | 1.2 | 1.1 | 3.7 | 1.3 | 2.9 | 6.4 | 9.6 | 15 |
| Total Concentration of VOCs | | 7.2 | 1.6 | 1.6 | | | 1.8 | 6.1 | 1.6 | 5.1 | 7.9 | 3.0 | 2.4 | 1.2 | 1.1 | 3.7 | 1.3 | 2.9 | 6.4 | 9.6 | 15 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10* | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | 1.1 | 1.0 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 5.2 | 4.8 | 5.6 | 3.2 | 3.0 | <3 | <3 | 2.1 | <3 | <3 | <3 | 2.8 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.4 | <1 | 0.87 | <1 | <1 | 0.55 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 8.3 | 8.8 | 5.9 | 2.6 | 2.2 | 1.3 | 1.4 | 1.0 | 1.3 | <1 | <1 | 0.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.6 | 2.8 | 2.6 | 2.0 | 1.9 | 1.4 | 1.4 | 1.4 | 1.0 | 1.3 | 1.3 | 1.5 | 1.4 | 1.1 | 1.2 | <1 | 1.2 | <1 | 1.1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 16 | 18 | 17 | 7.8 | 8.0 | 2.7 | 2.8 | 5.1 | 2.3 | 1.3 | 1.3 | 6.0 | 1.4 | 1.1 | 1.2 | | 1.2 | | 1.1 | |
| Total Concentration of VOCs | | 16 | 18 | 17 | 7.8 | 8.0 | 2.7 | 2.8 | 5.1 | 2.3 | 1.3 | 1.3 | 6.0 | 1.4 | 1.1 | 1.2 | | 1.2 | | 1.1 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 52-98-9 (Cont'd) | | | 52A-98-8B | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-12 | May-12^ | Jul-12 | Jul-99 | (D)* | Sep-99 | Nov-99 | Feb-00 | Mar-00 | May-00 | Sep-00 | Dec-00 | Mar-01 | May-01 | Aug-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <3 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | 24.6 | 24 | 22.9 | 24.1 | 22.3 | 20.1 | 19.1 | 19.2 | 25.2 | 35.3 | 15.7 | 22.7 | 20.5 | 13 | 12.4 | 15.4 | 13.9 |
| Chloroform | 80 | <3 | 0.9 | <1 | 63.1 | 50 | 47.5 | 60 | 38.6 | 30.1 | 84.7 | 47.8 | 56.2 | 93.1 | 54.1 | 54.3 | 49.3 | 56.7 | 40.3 | 48.1 | 45.3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | 1.0 | 1.2 | <10 | 1.0 | <1 | <1 | 1.3 | <1 | <1 | <1 | 1.2 | 1.2 | 1.2 | 1.3 | <1 | <1 | 1.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | 1.1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 0.5 | <1 | 16.4 | 22 | 16.7 | 28 | 17.5 | 12.3 | 22 | 20.8 | 23.9 | 33.4 | 27 | 29 | 23.5 | 35.3 | 19.7 | 31.5 | 41.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | 1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | 1.4 | 1.5 | 1.0 | 1.4 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <3 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | 35.5 | 41 | 25.5 | 36.1 | 37.8 | 26.2 | 35.7 | 27.2 | 30.2 | 27.8 | 29.7 | 34.5 | 21.5 | 24.6 | 28 | 26.1 | 23.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 0.7 | <1 | 81.5 | 72 | 88.4 | 94.9 | 57.9 | 45.4 | 71.6 | 67.7 | 80.4 | 92.1 | 72.3 | 103.2 | 74.6 | 94.1 | 80.5 | 100.2 | 99 |
| Freon-113 | 1200 | <1 | <2 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 2.1 | | 222 | 211 | 201 | 244 | 174 | 137 | 234 | 183 | 216 | 284 | 200 | 246 | 191 | 226 | 182 | 222 | 225 |
| Total Concentration of VOCs | | | 2.1 | | 222 | 211 | 201 | 244 | 174 | 137 | 234 | 183 | 216 | 284 | 200 | 246 | 191 | 226 | 182 | 222 | 225 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52A-98-8B (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-03* | Aug-03 | Aug-03 | Mar-04 | Aug-04 | Oct-04 | Oct-04 | Nov-04 | Jan-05 | Feb-05 | Feb-05 | Feb-05 | Mar-05 | Mar-05 | Mar-05 | Mar-05 | Mar-05 | Apr-05 | Apr-05 | Apr-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 6.2 | 10.9 | 5.5 | 10.6 | <1 | 2.4 | 4.1 | <1 | 3.1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 28 | 44 | 25.4 | 40.9 | 4.3 | 10.3 | 12.6 | <3 | 11.1 | 4.5 | 3.8 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 0.7 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 20 | 23 | 18.6 | 45 | 5.3 | 6.8 | 10.5 | <1 | 18.3 | 7.3 | 3.7 | 3.3 | 2.2 | 2.9 | 2.1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 2.4 | 1.3 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 22.0# | 537 | 14.1 | 17.4 | 3.0 | 6.1 | 10.7 | <1 | 6.7 | 2.2 | <1 | 1.7 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 56 | 87.8 | 46.2 | 89.8 | 12.3 | 24.1 | 39.3 | <1 | 33.7 | 12.1 | 9.4 | 6.8 | 5.6 | 6.7 | 5.3 | 4.8 | 3.2 | 2.9 | 2.8 | 2.6 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 135 | 704 | 110 | 207 | 25 | 50 | 77 | | 73 | 26 | 17 | 13 | 7.8 | 11 | 7.4 | 4.8 | 3.2 | 2.9 | 2.8 | 2.6 |
| Total Concentration of VOCs | | 135 | 704 | 110 | 207 | 25 | 50 | 77 | | 73 | 26 | 17 | 13 | 7.8 | 11 | 7.4 | 4.8 | 3.2 | 2.9 | 2.8 | 2.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52A-98-8B (Cont'd) May-05 | Aug-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06* | Mar-06 | Apr-06 | Apr-06 | Jun-06 | Jun-06 | Aug-06 | Aug-06 | Aug-06* | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 0.98 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.74 | <3 | <3 | <3 | <3 | 0.85 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6.0 | <1 | <1 | 1.9 | 1.7 | 1.3 | 1.5 | 1.5 | <1 | 2.0 | 1.3 | 1.3 | 3.0 | 1.4 | 1.2 | 1.3 | 1.0 | <1 | 1.1 | 0.77 | <1 |
| trans-1,2-Dichloroethene | 10.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5.0 | <1 | <1 | 1.2 | <1 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | 0.65 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5.0 | 2.3 | 2.2 | 4.0 | 2.8 | 2.3 | 2.3 | 2.0 | 2.5 | 2.4 | 2.1 | 2.0 | 5.4 | 2.6 | 2.4 | 2.4 | 1.7 | 1.5 | 1.9 | 1.6 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 2.3 | 2.2 | 7.1 | 4.5 | 3.6 | 5.4 | 3.5 | 2.5 | 4.4 | 3.4 | 3.3 | 9.6 | 4.0 | 5.0 | 3.7 | 2.7 | 1.5 | 3.0 | 3.2 | |
| Total Concentration of VOCs | | 2.3 | 2.2 | 7.1 | 4.5 | 3.6 | 5.4 | 3.5 | 2.5 | 4.4 | 3.4 | 3.3 | 9.6 | 4.0 | 5.0 | 3.7 | 2.7 | 1.5 | 3.0 | 3.2 | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 52A-98-8B (Cont'd) May-07 | Jul-07 | Aug-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.66 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 2.8 | 2.3 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 2.1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.4 | 2.0 | 2.5 | 2.1 | 2.3 | 1.3 | 1.8 | 1.6 | 2.3 | 1.3 | <1 | <1 | 0.84 | <1 | 1.7 | <1 | 6.0 | 4.3 | 2.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.4 | 2.0 | 3.7 | 2.1 | 2.3 | 1.3 | 1.8 | 1.6 | 3.9 | 1.3 | | | 1.5 | | 1.7 | | 11 | 6.6 | 4.2 |
| Total Concentration of VOCs | | | 1.4 | 2.0 | 3.7 | 2.1 | 2.3 | 1.3 | 1.8 | 1.6 | 3.9 | 1.3 | | | 1.5 | | 1.7 | | 11 | 6.6 | 4.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52A-98-8B (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11* | Mar-11 | Apr-11 | Jun-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12^ | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | 0.62 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.9 | <0.5 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.5 | <0.5 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.1 | 1.2 | 1.5 | 1.2 | 1.9 | 1.3 | <1 | 1.2 | <1 | <1 | <1 | 0.6 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 1.3 | | | | 1.9 | | | | 1.1 | 2.7 | 3.4 | 1.2 | 4.4 | 1.3 | | 1.2 | | | | 1.2 | |
| Total Concentration of VOCs | | 1.3 | | | | 1.9 | | | | 1.1 | 2.7 | 3.4 | 1.2 | 4.4 | 1.3 | | 1.2 | | | | 1.2 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52B-95-13 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-95 | Jun-96 | Sep-96 | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Mar-02 | Sep-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 67 | 43.4 | 22.1 | 6.8 | 52 | 30.5 | 25.4 | 21.2 | 38.5 | 25.2 | 36.1 | 10.8 | 22.9 | 25.3 | 33.9 | 27.5 | 24.1 | 11.3 | 27.7 | 9.1 |
| Chloroform | 80 | 30.4 | 19 | 16.2 | 7.5 | 20.9 | 16.8 | 16.5 | 12.8 | 17.2 | 13 | 13.5 | 7.4 | 11.3 | 11.2 | 14.7 | 13 | 11.4 | 8.6 | 13.7 | 8.7 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 16.3 | 7.5 | <10 | 1.5 | 6.8 | 3.8 | 4.9 | 4.6 | 5.3 | 3.5 | 4.9 | 2.2 | 2.1 | 2.3 | <1 | 2.3 | 1.3 | 1.1 | 2.4 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 709 | 449 | 164 | 63.4 | 292 | 178 | 117 | 130 | 178 | 155 | 273 | 45.9 | 117 | 140 | 155 | 123.9 | 115.3 | 49.4 | 161 | 29.4 |
| 1,1,1-Trichloroethane | 200 | 6.0 | 43.4 | <10 | <1 | 1.8 | 1.4 | 1.1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 90.3 | 31.3 | 35.9 | 14.4 | 46.7 | 34.3 | 34.6 | 27.6 | 49.4 | 26.8 | 45.6 | 13 | 18.8 | 19.9 | 20.1 | 18.3 | 15.2 | 9.3 | 26.3 | 6.5 |
| Freon-113 | 1200 | 1.2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 920 | 594 | 238 | 94 | 420 | 265 | 200 | 196 | 290 | 224 | 373 | 79 | 172 | 199 | 224 | 185 | 167 | 80 | 231 | 54 |
| Total Concentration of VOCs | | 920 | 594 | 238 | 94 | 420 | 265 | 200 | 196 | 290 | 224 | 373 | 79 | 172 | 199 | 224 | 185 | 167 | 80 | 231 | 54 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 52B-95-13 (Cont'd) | | | | | | | | | | | | | | 53-93-9 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Aug-06* | Aug-07 | Apr-08 | Sep-08 | Aug-09 | Sep-10* | (D)* | Aug-11 | Sep-12 | Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | Sep-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <1.0 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 5.5 | 11.5 | 3.9 | 15.8 | 7.1 | 8.6 | 22.4 | 20.4 | 12.7 | 8.5 | 16 | 16 | 13.4 | 6.3 | 56.2 | 50 | 41.6 | 19.3 | 46 | 26.5 |
| Chloroform | 80 | 7.3 | 9.5 | 5.2 | 8.0 | 7.4 | 7.9 | 14.5 | 10.7 | 10.9 | 6.5 | 9.5 | 9.8 | 8.5 | 6.0 | 67.3 | 75 | 70.6 | 47 | 56 | 35.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 1.8 | 1.2 | 1.7 | <1 | 1.8 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | 0.66 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <1 | <1 | 8.5 | 8.3 | 8.0 | 4.5 | 8.4 | 4.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 4.3 | 4.0 | 3.8 | 2.7 | 6.6 | 3.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 26.2 | 35.2 | 11.3 | 54 | 19.3 | 25 | 65.8 | 52.1 | 30.1 | 18 | 43 | 47 | 37.3 | 18.8 | 142.3 | 130 | 97.2 | 76.9 | 215.3 | 113.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.1 | 8.2 | 4.6 | 7.8 | 5.1 | 5.9 | 11.1 | 8.3 | 6.9 | 4.2 | 8.7 | 9.3 | 6.2 | 3.8 | 89.8 | 100 | 81.9 | 47.3 | 133.6 | 88.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 6.1 | | 9.1 | 12.9 | 25.2 | 16.2 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | | | | | | | | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 46 | 64 | 25 | 86 | 39 | 48 | 114 | 92 | 61 | 37 | 78 | 83 | 65 | 35 | 376 | 369 | 314 | 211 | 493 | 287 |
| Total Concentration of VOCs | | 46 | 64 | 25 | 88≈ | 39 | 48 | 114 | 92 | 61 | 37 | 78 | 83 | 65 | 36≈ | 376 | 369 | 314 | 211 | 493 | 287 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) (D) | Dec-94* | Feb-95* | Mar-95* | Jun-95* | (D) | Jul-95 | Aug-95 | Sep-95 | (D)* | (S)* | Nov-95 | Mar-96 | Jun-96 ^ | (S) | Aug-96 | Nov-96 | Mar-97 | Jun-97 | Sep-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <5 | <2 | <2 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 2.9 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | 0.94 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <1 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 26 | 52 | 7.6 | 20 | 18 | 20 | 18 | 33 | 36.6 | 32 | 29 | 47.4 | 15.3 | 9.9 | 11.7 | 27.2 | 33.6 | 15.1 | 16.3 | 23.4 |
| Chloroform | 80 | 34.6 | 88 | 26 | 44 | 38 | 42 | 39.6 | 61 | 64.2 | 50 | 52 | 71.1 | 58.6 | 27 | 37.6 | 54.8 | 65.9 | 40.8 | 44.2 | 44.3 |
| 1,1-Dichloroethane | 5 | <1 | 2.4 | <0.5 | 1.1 | 0.85 | 4.2 | <1 | 1.3 | 1.5 | 1.4 | 1.5 | 1.8 | 1.2 | <5 | <1 | <1 | 1.1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.5 | 9.3 | 1.2 | 2.4 | 1.9 | 4.5 | <1 | 4.7 | 6.0 | 4.2 | 3.8 | 8.7 | 1.6 | <5 | 1.4 | 2.0 | 2.7 | <1 | 1.2 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.1 | 4.4 | 2.7 | 2.9 | 2.2 | 5.9 | <1 | 4.4 | 4.9 | 3.9 | 4.0 | 5.7 | 3.3 | <5 | 2.9 | 3.2 | 3.8 | 2.4 | 2.8 | 3.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 2.8 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 115.8 | 150 | 17 | 59 | 37 | 72 | 38.5 | 93.9 | 106 | 100 | 100 | 129 | 35.8 | 24 | 29.9 | 70.8 | 90.3 | 33.1 | 93.6 | 68.9 |
| 1,1,1-Trichloroethane | 200 | <1 | 0.77 | <0.5 | <0.5 | <0.5 | 2.8 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 91.7 | 110 | 19 | 41 | 35 | 43.2 | 27.1 | 57.1 | 69.6 | 66 | 65 | 90 | 29.9 | 22 | 20.2 | 53 | 63.4 | 25.2 | 38.4 | 43.6 |
| Freon-113 | 1200 | 11.7 | 2.7 | 0.87# | 0.92 | 1.1 | 5.1 | <5 | <5 | 2.3 | 2.0 | 1.8 | 3.1 | 3.3 | | 1.1 | 1.3 | 1.7 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | <1 | <1 | <1 | <1 | | | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 287 | 420 | 75 | 171 | 134 | 200 | 126 | 255 | 291 | 260 | 257 | 357 | 149 | 83 | 105 | 212 | 263 | 117 | 197 | 184 |
| Total Concentration of VOCs | | 287 | 420 | 75 | 171 | 134 | 203 | 126 | 255 | 291 | 260 | 257 | 357 | 149 | 83 | 105 | 212 | 263 | 117 | 197 | 184 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) Nov-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Mar-04 | Jun-04 | Aug-04 | Jan-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 3.1 | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 25.9 | 10 | 7.3 | 11.5 | 13.7 | <1 | <1 | <1 | 1.3 | 14.7 | 16.7 | 6.3 | 13.2 | 1.3 | 2.8 | <1 | 1.2 | 1.4 | 2.9 | 7.8 |
| Chloroform | 80 | 49.8 | 29.4 | 23.8 | 33.8 | 34.9 | <1 | 1.3 | <1 | 6.1 | 31.1 | 30.9 | 16.8 | 30.3 | 3.7 | 11.5 | <3 | 3.8 | 3.8 | 9.3 | 14.5 |
| 1,1-Dichloroethane | 5 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.0 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | 1.3 | 1.9 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.1 | 2.3 | 1.8 | 3.3 | 3.9 | <1 | <1 | <1 | <1 | 3.4 | 4.0 | 2.4 | 3.3 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 86.3 | 23.6 | 19 | 49.9 | 58.9 | 4.3 | 4.6 | 4.6 | 9.5 | 63.9 | 74.5 | 29.1 | 55.6 | 27.1 | 24.6 | 2.4 | 6.0 | 6.8 | 12.4 | 41.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 51.6 | 23.2 | 15.7 | 29.4 | 33.6 | 2.6 | 2.5 | 2.4 | 5.6 | 29.5 | 33.4 | 16.3 | 27.7 | 7.2 | 11.7 | <1 | 3.3 | 3.8 | 7.6 | 18.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 222 | 89 | 68 | 128 | 146 | 6.9 | 8.4 | 9.1 | 23 | 144 | 161 | 71 | 131 | 39 | 51 | 2.4 | 14 | 16 | 32 | 85 |
| Total Concentration of VOCs | | 222 | 89 | 68 | 128 | 146 | 6.9 | 8.4 | 9.1 | 23 | 144 | 161 | 74 | 131 | 39 | 51 | 2.4 | 14 | 16 | 32 | 85 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-05 | Apr-05 | Aug-05 | Oct-05 | Nov-05 | Nov-05 | Nov-05 | Dec-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06* | Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Aug-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 4.9 | <1 | <1 | 2.0 | 3.3 | 2.9 | 3.5 | 3.1 | 2.5 | 1.1 | 1.1 | 1.3 | 2.0 | 2.3 | 3.2 | 3.6 | 3.0 | 3.3 | 3.4 | 2.7 |
| Chloroform | 80 | 11.6 | 4.7 | <3 | 7.0 | 8.3 | 9.0 | 10.4 | 10.8 | 6.9 | 5.2 | 4.0 | 5.9 | 5.5 | 5.7 | 7.0 | 7.3 | 6.1 | 7.4 | 6.4 | 5.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.9 | <1 | <1 | 1.1 | 2.3 | 2.4 | 2.9 | 2.4 | 2.1 | 1.5 | <1 | 1.6 | <1 | <1 | 1.8 | 1.6 | 1.2 | 1.4 | 1.4 | 1.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 17.6 | 7.9 | 5.1 | 9.4 | 13.4 | 12.8 | 12.9 | 12.3 | 11 | 5.3 | 4.7 | 6.3 | 7.2 | 9.9 | 14.6 | 16.3 | 13.3 | 15.3 | 15.6 | 12.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 11.2 | 5.7 | 3.8 | 6.0 | 9.6 | 8.2 | 8.8 | 9.3 | 7.9 | 5.2 | 3.9 | 5.0 | 4.6 | 5.9 | 7.5 | 8.1 | 6.7 | 7.2 | 7.3 | 6.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 47 | 18 | 8.9 | 26 | 37 | 35 | 39 | 38 | 26 | 18 | 14 | 20 | 19 | 24 | 34 | 37 | 30 | 35 | 34 | 28 |
| Total Concentration of VOCs | | 47 | 18 | 8.9 | 26 | 37 | 35 | 39 | 38 | 26 | 18 | 14 | 20 | 19 | 24 | 34 | 37 | 30 | 35 | 34 | 28 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.6 | 2.1 | 1.8 | 3.0 | 2.4 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | 1.1 | 1.0 | <1 | <1 | <1 |
| Chloroform | 80 | 5.9 | 6.1 | 4.6 | 5.7 | 5.2 | 5.4 | <3 | <3 | 3.2 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.3 | 2.0 | 1.7 | 1.3 | 1.3 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 20 | 9.7 | 8.3 | 15.8 | 10.4 | 11.1 | 3.7 | 2.4 | 2.5 | 2.9 | 2.8 | 3.2 | 3.1 | 4.5 | 3.2 | 3.6 | 2.9 | 1.9 | 2.3 | 3.2 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.0 | 5.1 | 4.5 | 7.4 | 5.3 | 5.7 | 2.0 | 2.0 | 2.4 | 2.5 | 2.6 | 2.5 | 2.5 | 2.9 | 2.7 | 2.7 | 2.9 | 2.3 | 2.2 | 2.6 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 38 | 25 | 21 | 33 | 25 | 26 | 5.7 | 4.4 | 8.1 | 5.4 | 5.4 | 5.7 | 5.6 | 8.6 | 5.9 | 7.4 | 6.8 | 4.2 | 4.5 | 5.8 |
| Total Concentration of VOCs | | 38 | 25 | 21 | 33 | 25 | 26 | 5.7 | 4.4 | 8.1 | 5.4 | 5.4 | 5.7 | 5.6 | 8.6 | 5.9 | 7.4 | 6.8 | 4.2 | 4.5 | 5.8 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.8 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | 3.3 | 3.3 | <3 | <1 | <3 | <3 | 3.0 | 3.6 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.6 | 3.3 | 3.6 | 3.7 | 2.9 | 2.4 | 2.8 | 6.8 | 6.5 | 6.0 | 2.2 | 2.1 | 2.0 | 1.7 | 2.3 | 1.5 | 2.3 | 1.4 | 1.8 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.6 | 3.1 | 3.3 | 2.6 | 2.6 | 2.3 | 2.6 | 3.5 | 3.0 | 3.0 | 2.1 | 1.9 | 1.9 | 1.7 | 2.1 | 1.9 | 1.6 | 1.2 | 1.4 | 1.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.2 | 9.7 | 10 | 6.3 | 5.5 | 4.7 | 5.4 | 15 | 15 | 10 | 4.3 | 4.0 | 3.9 | 3.4 | 4.4 | 3.4 | 3.9 | 2.6 | 3.2 | 2.6 |
| Total Concentration of VOCs | | 5.2 | 9.7 | 10 | 6.3 | 5.5 | 4.7 | 5.4 | 15 | 15 | 10 | 4.3 | 4.0 | 3.9 | 3.4 | 4.4 | 3.4 | 3.9 | 2.6 | 3.2 | 2.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | <1 | 1.0 | <1 | <1 | 1.3 | <1 | 1.3 | 1.0 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.7 | | 1.0 | | | 1.3 | | 1.3 | 1.0 | | 1.7 | | | | | | | | | |
| Total Concentration of VOCs | | 1.7 | | 1.0 | | | 1.3 | | 1.3 | 1.0 | | 1.7 | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 53-93-9 (Cont'd) | | | 53-93-16-42' | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-12 | Jul-12 | Sep-12 | Mar-94 | (D)* | Jun-94 | Sep-94 | Dec-94* | Feb-95* | May-95* | May-95* | Aug-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | Aug-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | 0.6 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 17.1 | 15 | 10.4 | 4.4 | 11 | 12 | 10 | 8.9 | 8.7 | <1 | 12.9 | 12.3 | 4.0 | 4.7 | 4.2 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | 1.2 | 0.9 | <1 | <1 | 0.78 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 55.9 | 44 | 27.8 | 26.6 | 27 | 34 | 34 | 36 | 38.8 | 37.1 | 33.8 | 33.5 | 32.8 | 23.1 | 20.5 | 20.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 26.3 | 20 | 11.2 | 9.6 | 11 | 14 | 12 | 11 | 11.4 | 5.5 | 10 | 9.5 | 6.6 | 6.5 | 5.7 | 3.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | 6.2 | <0.5 | <1 | <1 | 0.69 | <0.5 | <0.5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | <1 | | <1 | <1 | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 107 | 80 | 49 | 41 | 51 | 60 | 56 | 56 | 59 | 43 | 57 | 55 | 43 | 34 | 30 | 26 |
| Total Concentration of VOCs | | | | | 107 | 80 | 49 | 41 | 51 | 60 | 56 | 56 | 59 | 43 | 57 | 55 | 43 | 34 | 30 | 26 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-42' (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-98 | May-99 | Aug-00 | Aug-01 | Sep-02 | Aug-03 | Aug-04 | Oct-04 | Oct-04 | Aug-05 | Oct-05 | Aug-06* | Oct-06 | Sep-07* | Aug-08 | Aug-09 | Sep-10* | Aug-11 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.86 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.5 | 5.8 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 47.2 | 29.9 | 14.4 | 14.1 | 10.3 | 10.5 | 9.3 | 9.2 | 3.5 | 6.3 | 3.9 | 7.1 | 5.5 | 3.3 | 1.6 | 1.4 | 1.4 | <1 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 16.1 | 6.4 | 1.6 | 1.7 | <1 | <1 | 2.1 | 3.6 | <1 | <1 | <1 | 0.73 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 77 | 42 | 16 | 16 | 10 | 11 | 13 | 13 | 3.5 | 6.3 | 3.9 | 8.7 | 5.5 | 3.3 | 1.6 | 1.4 | 1.4 | | 1.2 |
| Total Concentration of VOCs | | 77 | 42 | 16 | 16 | 10 | 11 | 13 | 13 | 3.5 | 6.3 | 3.9 | 8.7 | 5.5 | 3.3 | 1.6 | 1.4 | 1.4 | | 1.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-94 | (D)* | Jun-94 | Aug-94 | Dec-94* | Feb-95* | Mar-95* | May-95* | Jul-95 | Aug-95 | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Dec-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 | <20 | <10 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | <5 | <5 | <50 | <25 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 | <20 | <10 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 | <10 | <5 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <2 | <2 | <2 | <20 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <4 | <2 | <4 | <200 | <2 | <2 | <2 | <2 | <20 | <10 |
| Carbon Tetrachloride | 0.5 | 57.6 | 50 | 44.4 | 20.8 | 39 | 52 | 38 | 45 | 93.4 | 60.6 | 45.8 | 32.7 | 35.6 | <100 | 30.7 | 37.7 | 34.5 | 37.2 | 20.8 | 28.9 |
| Chloroform | 80 | 19.7 | 16 | 19.6 | 7.8 | 21 | 16 | 15 | 16 | 23.7 | 18.8 | 14.8 | 13.9 | 29.3 | <100 | 11 | 13.8 | 12.4 | 13.1 | <10 | 10.6 |
| 1,1-Dichloroethane | 5 | 9.5 | 10 | 9.3 | 4.0 | 12 | 7.3 | 6.7 | 6.9 | 8.7 | 6.7 | 6.6 | 8.1 | 9.6 | <100 | 5.4 | 4.8 | 4.0 | 4.6 | <10 | <5 |
| 1,2-Dichloroethane | 0.5 | 2.5 | 1.9 | 1.7 | <1 | 2.6 | 1.7 | <0.5 | 1.4 | <1 | <1 | <2 | <1 | <2 | <100 | 1.1 | <2 | <2 | <2 | <20 | <10 |
| 1,1-Dichloroethene | 6 | 46.1 | 30 | 29.9 | 16.9 | 31 | 34 | 30 | 32 | 29 | 33.2 | 30.6 | 34.9 | 25.2 | <100 | 19.3 | 23.8 | 20.1 | 22.4 | 15.7 | 18.8 |
| cis-1,2-Dichloroethene | 6 | 91.4 | 88 | 104.3 | 65.7 | 100 | 60 | 69 | 51 | 115 | 78.6 | 87.6 | 106 | 83 | <100 | 61.4 | 56.9 | 43.5 | 47.1 | 32.4 | 36.2 |
| trans-1,2-Dichloroethene | 10 | 5.8 | 4.6 | 3.9 | 4.1 | 6.9 | 3.7 | 3.9 | 4.1 | 1.8 | 4.0 | 5.1 | 6.2 | 4.9 | <100 | 5.2 | 4.4 | 3.0 | 4.6 | <10 | <5 |
| Methylene Chloride | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| 1,1,1,2-Tetrachloroethane | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 | <20 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| Tetrachloroethene | 5 | 617.1 | 730 | 547.4 | 420.5 | 790 | 610 | 580 | 520 | 2000 | 954 | 734 | 858 | 627 | 758 | 507 | 516 | 354 | 389 | 351 | 375 |
| 1,1,1-Trichloroethane | 200 | 2.5 | 1.7 | 1.9 | <1 | 2.0 | 1.4 | 1.3 | 1.3 | 1.6 | <1 | <2 | 1.4 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| Trichloroethene | 5 | 283.6 | 290 | 206 | 232.2 | 320 | 250 | 210 | 210 | 1080 | 390 | 307 | 326 | 257 | 165 | 199 | 207 | 138 | 174 | 145 | 154 |
| Freon-113 | 1200 | 6.3 | 2.3 | 14.8 | 7.1 | 2.3 | 2.8 | 2.4 | 2.9 | <5 | <5 | 2.4 | 1.7 | 13.6 | <100 | 1.8 | 2.2 | 2.5 | 2.3 | <10 | <5 |
| Freon-123A | | <1 | | <1 | <1 | | | | | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 | <10 | <5 |
| Vinyl Chloride | 0.5 | 23 | 12 | 9.2 | 2.6 | 16 | 9.2 | 7.3 | 5.7 | <1 | 5.1 | <2 | 6.8 | 8.4 | <100 | 3.7 | 3.6 | 1.4 | 2.6 | <10 | <5 |
| Total Halogenated Hydrocarbons | | 1,165 | 1,237 | 992 | 782 | 1,343 | 1,048 | 964 | 896 | 3,353 | 1,551 | 1,234 | 1,396 | 1,094 | 923 | 846 | 870 | 613 | 697 | 565 | 624 |
| Total Concentration of VOCs | | 1,165 | 1,237 | 992 | 782 | 1,343 | 1,048 | 964 | 896 | 3,353 | 1,551 | 1,234 | 1,396 | 1,094 | 923 | 846 | 870 | 613 | 697 | 565 | 624 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | May-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Jul-03* | Jul-03* | Aug-03 | Aug-03 | Sep-03 | Mar-04 | Aug-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <25 | <50 | <5 | <50 | <5 | <25 | <5 | <5 | <50 | <50 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 34.2 | 35.8 | 18.7 | 22.1 | 19.5 | <10 | 23.8 | 19.3 | 23.1 | 19.1 | 13.7 | 21.7 | 15.9 | 3.3 | <0.5 | <1 | 5.5 | 10.7 | 1.3 | 1.9 |
| Chloroform | 80 | 15.2 | 15.7 | 8.5 | 10.5 | 8.3 | <10 | 10 | <15 | 8.3 | 8.2 | <10 | <10 | 5.3 | 1.1 | <0.5 | <3 | 3.1 | 5.1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <5 | <10 | 2.2 | <10 | 2.3 | <5 | 2.3 | 2.0 | <10 | <10 | 1.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 19.9 | 21.9 | 12.4 | 16 | 13.7 | <10 | 14.5 | 11.8 | 17.7 | 14.9 | <10 | 11.3 | 7.6 | 1.4 | <0.5 | <1 | 3.2 | 6.6 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 34 | 37.5 | 31.7 | 35.7 | 30.1 | 10.1 | 18.5 | 28.3 | 29.1 | 29.7 | 22.2 | 26.2 | 21.2 | 3.2 | <0.5 | <1 | 8.5 | 15 | <1 | 2.2 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <5 | <10 | 2.7 | <10 | 3.2 | 4.6 | 5.2 | 6.4 | <10 | <10 | 2.3 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 382 | 386 | 334 | 348 | 186 | 84.7 | 368 | 263.6 | 335.3 | 405.6 | 289.7 | 532 | 588 | 86 | 14.0# | 144 | 187 | 315 | 20.3 | 25.8 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <5 | <10 | <1 | <10 | 1.4 | 4.9 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 186 | 167 | 114 | 129 | 111 | 32 | 97.9 | 109.7 | 131.1 | 141.4 | 120.2 | 187 | 210 | 26 | 3.3 | 54.7 | 55.6 | 87.7 | 7.4 | 9.8 |
| Freon-113 | 1200 | <10 | <10 | <5 | <10 | <1 | <10 | 2.5 | <5 | 1.1 | 1.0 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | 2.0 | 1.5 | 1.4 | <10 | <10 | 1.8 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 671 | 664 | 519 | 561 | 374 | 127 | 542 | 444 | 555 | 630 | 446 | 778 | 854 | 121 | 17 | 199 | 263 | 440 | 29 | 40 |
| Total Concentration of VOCs | | 671 | 664 | 519 | 561 | 374 | 127 | 542 | 444 | 555 | 630 | 446 | 778 | 854 | 121 | 17 | 199 | 263 | 440 | 29 | 40 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-04 | Nov-04 | Mar-05 | Aug-05 | Oct-05 | Nov-05 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | 1.6 | <1 | <1 | <1 | 4.8 | 6.9 | 5.8 | 6.6 | 4.7 | 3.7 | <1 | 3.8 | 3.0 | 3.4 | 2.9 | 2.6 | 2.9 | 1.5 | 4.7 | 4.1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 4.3 | 5.2 | 4.9 | 5.2 | 3.9 | <3 | 3.6 | 3.8 | 4.0 | 4.6 | 4.0 | 4.1 | <1 | 3.6 | 3.3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.9 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 |
| cis-1,2-Dichloroethene | 6 | 2.3 | <1 | <1 | <1 | 4.5 | 4.5 | 2.2 | 3.6 | 2.2 | <1 | <1 | 2.2 | <1 | 1.3 | 1.5 | 1.5 | <1 | <1 | 2.9 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 21 | 3.2 | <1 | <1 | 83.4 | 128 | 75.9 | 124 | 58.6 | 47.4 | <1 | 62.4 | 28.6 | 32.1 | 31.3 | 23.1 | 28 | 11.7 | 73 | 67 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 8.7 | <1 | <1 | <1 | 27.9 | 48.5 | 26.7 | 43.7 | 22.2 | 16.4 | 2.4 | 21.6 | 11.1 | 12.4 | 12.6 | 10.1 | 11 | 6.7 | 27.1 | 25 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 34 | 3.2 | | | 123 | 194 | 116 | 183 | 93 | 71 | 2.4 | 94 | 47 | 53 | 53 | 41 | 46 | 20 | 113 | 103 |
| Total Concentration of VOCs | | 34 | 3.2 | | | 123 | 194 | 116 | 183 | 93 | 71 | 2.4 | 94 | 47 | 53 | 53 | 41 | 46 | 20 | 113 | 103 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.6 | 4.4 | 3.9 | 4.4 | 2.7 | 2.4 | 2.0 | 3.1 | 2.4 | 1.7 | 2.0 | 2.9 | 2.0 | 2.8 | 2.2 | 1.8 | 2.4 | 1.7 | 2.4 | 1.6 |
| Chloroform | 80 | 3.2 | 3.6 | 3.7 | 3.2 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.0 | 2.7 | 1.6 | 2.4 | 1.1 | 1.1 | <1 | 1.9 | 1.1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | 1.3 | <1 | 1.3 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 30.9 | 69 | 39.5 | 55.7 | 23.3 | 28.8 | 17.3 | 44.6 | 20.4 | 16 | 18.7 | 35.3 | 16.4 | 38.6 | 25.7 | 14.3 | 26.2 | 12.9 | 27.7 | 13.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12 | 27.3 | 15 | 23 | 9.4 | 12.1 | 7.0 | 18 | 9.4 | 7.0 | 7.7 | 15.6 | 7.9 | 17.2 | 11.3 | 6.5 | 12.4 | 6.5 | 12.8 | 6.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 51 | 109 | 64 | 89 | 37 | 44 | 26 | 68 | 33 | 25 | 28 | 54 | 26 | 60 | 39 | 23 | 42 | 21 | 44 | 22 |
| Total Concentration of VOCs | | 51 | 109 | 64 | 89 | 37 | 44 | 26 | 68 | 33 | 25 | 28 | 54 | 26 | 60 | 39 | 23 | 42 | 21 | 44 | 22 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.4 | 1.6 | 2.1 | 1.4 | 1.4 | 1.2 | 2.0 | 2.3 | 2.0 | 2.1 | 2.2 | 1.3 | 1.4 | 1.4 | 1.7 | 1.3 | 1.6 | 1.6 | 1.5 | 1.6 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.6 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | 1.6 | <1 | <1 | <1 | <1 | 1.1 | <1 | 1.0 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 30 | 11.8 | 27.2 | 10.5 | 10.2 | 10.6 | 21.4 | 32 | 24.3 | 28.9 | 30.7 | 13.9 | 11.6 | 12.2 | 18.6 | 11.3 | 17 | 14.4 | 16.3 | 18.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 15.3 | 5.6 | 13.8 | 5.6 | 5.1 | 5.5 | 11.1 | 15 | 12.8 | 14.3 | 15.4 | 7.5 | 6.8 | 6.8 | 9.9 | 6.2 | 9.3 | 8.2 | 9.5 | 9.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 49 | 19 | 43 | 18 | 17 | 17 | 35 | 53 | 39 | 47 | 48 | 23 | 20 | 20 | 31 | 19 | 29 | 24 | 27 | 30 |
| Total Concentration of VOCs | | 49 | 19 | 43 | 18 | 17 | 17 | 35 | 53 | 39 | 47 | 48 | 23 | 20 | 20 | 31 | 19 | 29 | 24 | 27 | 30 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.4 | 1.2 | <1 | 1.1 | 1.0 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 18.3 | 12.3 | 11.9 | 11 | 8.2 | 10 | 11 | 10.2 | 9.9 | 9.1 | 9.8 | 9.7 | 8.5 | 7.4 | 4.9 | 6.4 | 6.2 | 6.3 | 5.9 | 6.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.6 | 6.9 | 6.8 | 5.9 | 4.7 | 5.9 | 5.9 | 6.2 | 4.8 | 5.7 | 6.3 | 6.0 | 5.4 | 4.5 | 2.9 | 3.8 | 4.0 | 4.0 | 3.4 | 4.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 30 | 20 | 19 | 18 | 14 | 16 | 17 | 18 | 15 | 15 | 16 | 18 | 14 | 12 | 7.8 | 10 | 10 | 10 | 9.3 | 10 |
| Total Concentration of VOCs | | 30 | 20 | 19 | 18 | 14 | 16 | 17 | 18 | 15 | 15 | 16 | 18 | 14 | 12 | 7.8 | 10 | 10 | 10 | 9.3 | 10 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 53-93-16-69' (Cont'd) | | | | 53-95-12 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-12 | May-12 | Jul-12 | Sep-12 | Sep-95 | Nov-95 | Jun-96 | Sep-96 | Dec-96(G) | Mar-97 | Jun-97 | Sep-97 | Nov-97 | (D)* | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Jan-99(G) | Mar-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <100 | <0.5 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <5 | <500 | <500 | <500 | <200 | <500 | <500 | <500 | <500 | <500 | <500 |
| Naphthalene | | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <100 | <0.5 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <10 | <100 | <1 | <2 | <200 | <200 | <200 | <300 | <200 | <200 | <200 | <200 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <0.5 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | 354 | 381 | 14.1 | 320 | 44 | 50.9 | 327 | 226 | 216 | 200 | 105 | 165 | 199 | <100 | 108 | <100 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 35.1 | 46.6 | <5 | <50 | 4.2 | 6.8 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 16.6 | 19.9 | <5 | <50 | 1.9 | 2.1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <100 | <0.5 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 78.3 | 103 | 6.2 | 66 | 8.6 | 9.3 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 551 | 556 | 50 | 321 | 59 | 74.6 | 236 | 212 | 232 | 270 | 110 | 197 | 228 | <100 | 150 | <100 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 4.3 | <1 | <5 | <50 | 0.57 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <1 | <1 | <100 | <100 | <100 | <300 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | 30.9 | <1 | <5 | <100 | 3.7 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Tetrachloroethene | 5 | 6.4 | 5.3 | 5.2 | 4.7 | 14820 | 8880 | 1050 | 18390 | 2000 | 1920 | 13300 | 8260 | 6170 | 5400 | 4010 | 6630 | 10200 | 2200 | 5300 | 1730 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | 2.9 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Trichloroethene | 5 | 3.7 | 3.3 | 3.1 | 3.2 | 8650 | 7710 | 435 | 11030 | 1100 | 1100 | 6810 | 5500 | 5650 | 5200 | 2550 | 3160 | 5310 | 1180 | 2550 | 795 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | 2.1 | 2.6 | <5 | <50 | <30 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 |
| Freon-123A | | | | | | <1 | <1 | <5 | <50 | | <1 | <100 | <100 | <100 | | <100 | <100 | <100 | <100 | <100 | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 2.1 | 2.0 | <5 | <50 | <0.5 | <1 | <100 | <100 | <100 | <300 | <100 | <100 | <100 | <100 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 10 | 8.6 | 8.3 | 7.9 | 24,547 | 17,701 | 1,555 | 30,127 | 3,222 | 3,164 | 20,673 | 14,198 | 12,268 | 11,070 | 6,775 | 10,152 | 15,937 | 3,380 | 8,108 | 2,525 |
| Total Concentration of VOCs | | 10 | 8.6 | 8.3 | 7.9 | 24,547 | 17,701 | 1,555 | 30,127 | 3,222 | 3,164 | 20,673 | 14,198 | 12,268 | 11,070 | 6,775 | 10,152 | 15,937 | 3,380 | 8,108 | 2,525 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-95-12 (Cont'd) Jun-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 | Dec-03 | Mar-04 | Aug-04 | Mar-05 | Mar-05 | Aug-05 | Feb-06 | Aug-06* | Feb-07 | Sep-07* | Mar-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| sec-Butylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| ter-Butylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Ethylbenzene | 300 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 |
| p-Isopropyltoluene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <500 | <50 | <50 | <50 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | <5 |
| Naphthalene | | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <2 |
| n-Propylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Toluene | 150 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Xylenes, total | 1750 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Bromoform | 80 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <100 | 49.5 | 24.6 | 18.9 | 3.0 | <1 | 33.3 | <10 | 1.8 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Chloroform | 80 | <100 | <10 | <30 | <30 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <100 | <10 | <10 | <10 | <1 | <1 | 1.9 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <100 | <10 | <10 | <10 | <1 | <1 | 7.9 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <100 | 71.6 | 135.5 | 21 | 14.6 | 5.5 | 81.7 | 16.8 | 27.2 | 17.9 | 4.1 | 5.9 | 3.6 | 3.6 | 4.0 | 2.2 | 2.9 | 1.6 | 1.1 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <200 | <20 | <20 | <20 | <2 | <2 | 5.3 | <20 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 1390 | 1360 | 1268.6 | 752.8 | 153.5 | 13.7 | 1780 | 342 | 144 | 204 | 14.2 | 9.9 | 21.2 | 21.2 | 9.7 | 4.4 | 4.5 | 2.5 | 2.7 | 2.2 |
| 1,1,1-Trichloroethane | 200 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <100 | <10 | <10 | <10 | <1 | <1 | 27.3 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 559 | 697 | 685.7 | 382.7 | 92.8 | 11.2 | 875 | 183 | 76.4 | 58.1 | 7.9 | 6.4 | 10.6 | 10.6 | 4.7 | 1.8 | 2.6 | 1.8 | 1.5 | 1.0 |
| Freon-113 | 1200 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Freon-123A | | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 |
| Vinyl Chloride | 0.5 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 1,949 | 2,178 | 2,114 | 1,175 | 264 | 30 | 2,812 | 542 | 249 | 282 | 26 | 22 | 35 | 35 | 18 | 8.4 | 10 | 5.9 | 5.3 | 4.6 |
| Total Concentration of VOCs | | 1,949 | 2,178 | 2,114 | 1,175 | 264 | 30 | 2,812 | 542 | 249 | 282 | 26 | 22 | 35 | 35 | 18 | 8.4 | 11≈ | 5.9 | 5.3 | 4.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 53-95-12 (Cont'd) | | | | | | | | | | 53-96-1 (MW91-7) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-08 | Mar-09 | Aug-09 | Mar-10 | Sep-10* | (D)* | Mar-11 | Sep-11 | Mar-12 | Sep-12 | Jul-96 | (D)* | Aug-96 | Nov-96 | Mar-97 | Jun-97 | Mar-98 | Sep-98 | Mar-99 | Sep-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | <50 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 23.9 | 27 | 39.7 | 41.3 | 36.9 | 14.9 | 27.6 | 16.5 | 22.2 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | 12 | 12 | 12 | 14 | 11.4 | 12.5 | 14.8 | 8.5 | 9.4 | 6.8 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 3.5 | 3.5 | 2.8 | <1 | <10 | 2.4 | 2.1 | 1.5 | 1.4 | 1.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | 1.4 | 1.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 24.7 | 16 | 17.1 | 2.6 | 19 | 12.4 | 16.2 | 8.8 | 11.9 | 9.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 34.1 | 30 | 27.2 | 24.7 | 21.4 | 30 | 24.7 | 16 | 20.1 | 28.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 2.8 | 2.6 | 2.2 | 1.8 | <10 | <1 | 1.9 | 1.2 | 1.7 | 1.0 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 280 | 260 | 338 | 330 | 376 | 184 | 246 | 157 | 176 | 104 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 1.2 | 0.96 | 1.4 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 104 | 130 | 153 | 130 | 120 | 94.7 | 127 | 78.6 | 96.3 | 68.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.9 | 1.6 | <10 | 1.2 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <1 | <1 | <1 | 1.1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 1.9 | 2.2 | 1.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | 490 | 486 | 597 | 546 | 585 | 352 | 460 | 288 | 339 | 221 |
| Total Concentration of VOCs | | | | | | | | | | | | 490 | 486 | 597 | 546 | 585 | 352 | 460 | 288 | 339 | 221 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 53-96-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Mar-02 | Sep-02 | Sep-03 | Dec-03 | Aug-04 | Aug-05 | Feb-06 | Feb-06 | Apr-06 | May-06 | Jun-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 22.5 | 18.4 | 15.9 | 19 | 3.3 | 3.7 | 9.6 | 20.5 | 13.9 | 11.6 | 3.5 | 9.1 | 2.7 | 9.3 | 2.7 | 5.7 | 2.9 | 5.2 | 5.3 | 4.9 |
| Chloroform | 80 | 11.5 | 7.3 | 7.8 | 7.1 | 4.1 | 4.2 | 5.9 | <30 | 7.1 | 5.5 | 3.7 | 5.4 | 3.0 | 4.7 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.7 | <1 | 1.2 | <1 | <1 | 1.0 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 11.2 | 8.8 | 10.3 | 11.1 | 4.5 | 6.6 | 6.8 | <10 | 8.1 | 6.9 | 2.1 | 3.9 | 2.4 | 3.5 | 1.6 | 2.3 | 2.0 | <1 | 1.9 | 2.3 |
| cis-1,2-Dichloroethene | 6 | 17.7 | 16.8 | 19.4 | 17.8 | 27.1 | 25.9 | 40.3 | 14 | 14.6 | 14.7 | 12.9 | 4.1 | 15.7 | 4.0 | 7.9 | 3.4 | 5.3 | 3.0 | 3.1 | 2.8 |
| trans-1,2-Dichloroethene | 10 | 2.6 | 1.9 | 2.6 | 2.8 | <1 | <1 | <1 | <10 | 2.3 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 170 | 177.7 | 155.3 | 209.8 | 76.4 | 139.7 | 214 | 193 | 140 | 126 | 50.6 | 71.6 | 49.4 | 68.6 | 38.5 | 57.1 | 44.1 | 44.9 | 50.9 | 45.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 70.8 | 68 | 73.7 | 87 | 43.6 | 57.8 | 74.6 | 75 | 55.8 | 51.4 | 24.4 | 27.3 | 21 | 26.1 | 17.9 | 21.7 | 19.3 | 17.6 | 20.8 | 18.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 5.4 | <1 | 5.0 | <1 | 3.0 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 308 | 299 | 286 | 355 | 159 | 239 | 351 | 303 | 242 | 219 | 103 | 121 | 99 | 116 | 72 | 91 | 74 | 71 | 82 | 74 |
| Total Concentration of VOCs | | 308 | 299 | 286 | 355 | 159 | 239 | 351 | 303 | 242 | 219 | 103 | 121 | 99 | 116 | 72 | 91 | 74 | 71 | 82 | 74 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-96-1 (Cont'd) Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | (D)* | Mar-08 | Apr-08 | May-08 | Jun-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 4.7 | 4.6 | 4.5 | 4.2 | 4.3 | 4.9 | 4.1 | 4.4 | 3.6 | 3.5 | 3.6 | 3.9 | 3.3 | 2.9 | 4.0 | 4.8 | 1.9 | 3.4 | 1.5 | 3.1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.9 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.1 | 1.5 | 1.5 | 1.8 | 2.0 | 2.1 | 1.5 | 1.8 | <1 | 1.5 | 1.7 | 1.9 | 1.4 | 1.5 | 1.4 | 1.9 | 1.2 | <1 | <1 | 1.4 |
| cis-1,2-Dichloroethene | 6 | 2.5 | 2.1 | 2.3 | 2.1 | 2.3 | 2.5 | 2.5 | 3.0 | 3.0 | 2.7 | 3.9 | 3.4 | 2.3 | 3.5 | 2.1 | 2.5 | 3.3 | 2.5 | 3.6 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 38.4 | 34 | 38.8 | 37 | 34.5 | 34.9 | 34.8 | 38.5 | 42.4 | 39.6 | 44.8 | 40.2 | 29.8 | 36.7 | 32.5 | 40 | 33.6 | 33.9 | 25.9 | 32.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | < | <1 | <1 |
| Trichloroethene | 5 | 15.2 | 13.8 | 15.3 | 14.6 | 13.7 | 14.5 | 13.4 | 15.4 | 16.1 | 15.1 | 16.9 | 16.6 | 12.6 | 15.4 | 12.9 | 16 | 14.2 | 13.4 | 10.5 | 13.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.74 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 63 | 56 | 62 | 60 | 57 | 59 | 56 | 63 | 65 | 62 | 71 | 66 | 49 | 60 | 53 | 68 | 54 | 53 | 42 | 53 |
| Total Concentration of VOCs | | 63 | 56 | 62 | 60 | 57 | 59 | 56 | 63 | 65 | 62 | 71 | 66 | 49 | 60 | 53 | 68 | 54 | 53 | 42 | 53 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-96-1 (Cont'd) Jul-08 | Aug-08 | (D)* | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | (D)* | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | (D)* | Sep-09 | Oct-09 | Nov-09 | Dec-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.5 | 3.3 | 2.9 | 2.8 | 2.6 | 1.8 | 2.9 | 2.6 | 1.1 | <0.5 | 3.0 | 1.0 | 2.7 | <1 | 2.6 | 2.6 | 1.1 | 3.3 | 1.1 | 2.9 |
| Chloroform | 80 | <3 | <3 | 1.5 | <3 | <3 | <3 | <3 | <3 | <3 | 0.95 | <3 | <3 | <3 | <3 | <3 | 1.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | 0.75 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.0 | 2.4 | 2.1 | 2.5 | 2.8 | 3.2 | 3.3 | 2.6 | 4.3 | 4.5 | 2.2 | 5.5 | 2.3 | 3.7 | 2.0 | 2.0 | 3.5 | 1.4 | 2.4 | 1.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 18.8 | 34.2 | 30 | 33.1 | 32.1 | 23.1 | 38.3 | 39.2 | 18.8 | 19 | 27.7 | 17.2 | 30.7 | 15.7 | 25.1 | 28 | 15.7 | 21 | 15.1 | 19.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | < | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 11 | 13.5 | 12 | 11.7 | 12.5 | 11.4 | 12.7 | 11.9 | 9.2 | 9.4 | 10.7 | 9.4 | 12.1 | 7.4 | 10.3 | 13 | 8.2 | 9.0 | 7.2 | 7.9 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.2 | <1 | 1.7 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 36 | 53 | 50 | 50 | 50 | 40 | 57 | 56 | 35 | 36 | 44 | 35 | 48 | 27 | 40 | 48 | 29 | 35 | 26 | 32 |
| Total Concentration of VOCs | | 36 | 53 | 50 | 50 | 50 | 40 | 57 | 56 | 35 | 36 | 44 | 35 | 48 | 27 | 40 | 48 | 29 | 35 | 26 | 32 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-96-1 (Cont'd) Jan-10 | Feb-10 | Mar-10 | Apr-10 | (D)* | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | (D)* | Apr-11 | May-11 | Jul-11 | Sep-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 2.0 | 2.5 | <1 | <1 | 0.92 | 3.4 | 1.0 | 1.3 | 3.0 | 3.0 | <1 | 2.0 | 0.8 | 2.1 | 1.3 | 1.2 | 2.2 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | 0.87 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.8 | <3 | <3 | 1.0 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 0.57 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | 0.76 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.8 | 1.7 | 3.8 | 3.0 | 3.2 | 1.7 | 2.4 | 2.1 | <1 | <1 | 5.2 | <1 | 3.6 | 1.1 | 2.6 | 3.2 | <1 | 2.5 | 4.8 | 3.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 22.1 | 22.3 | 13 | 14.7 | 15 | 23.2 | 13.8 | 14.1 | 17.3 | 16.5 | 12.9 | 12.3 | 11 | 15.4 | 12.5 | 14 | 11.7 | 11.3 | 11.7 | 9.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.0 | 9.1 | 6.8 | 6.9 | 7.4 | 9.0 | 6.5 | 7.1 | 6.7 | 6.8 | 6.9 | 5.0 | 5.9 | 6.9 | 6.3 | 7.3 | 4.5 | 6.0 | 6.6 | 5.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 0.73 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 0.9 | <1 | <1 | 0.66 | <1 | <1 | 1.5 | 1.6 |
| Total Halogenated Hydrocarbons | | 34 | 36 | 24 | 25 | 29 | 39 | 24 | 25 | 27 | 26 | 26 | 19 | 24 | 26 | 23 | 28 | 18 | 20 | 25 | 21 |
| Total Concentration of VOCs | | 34 | 36 | 24 | 25 | 29 | 39 | 24 | 25 | 27 | 26 | 26 | 19 | 24 | 26 | 23 | 28 | 18 | 20 | 25 | 21 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 53-96-1 (Cont'd) | | | | | | | | 58-93-3 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-11 | Jan-12 | Mar-12 | (D)* | May-12 | Jul-12 | Sep-12 | (D)* | Jun-94* | (D) ^ | Sep-94 | Dec-94* | Mar-95* | May-95* | Jun-95 | Aug-95 | (D)* | Dec-95 | Feb-96 | Jun-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <10 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | 0.57 | <3 | <3 | <3 | 0.57 | <0.5 | <5 | <1 | <0.5 | <0.5 | 0.64 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 7.7 | 10 | 2.5 | 5.2 | 6.3 | 6.3 | 8.9 | 6.0 | 6.2 | 6.1 | 7.7 | 6.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 28 | 34 | 10.3 | 17 | 22 | 22 | 24.8 | 27.7 | 20.0 | 29.3 | 20.6 | 24.5 |
| cis-1,2-Dichloroethene | 6 | 2.7 | 2.1 | 2.8 | 2.9 | 3.7 | 3.2 | 1.8 | 2.8 | 6.4 | 8.0 | 4.2 | 5.4 | 6.0 | 5.9 | 8.9 | 7.6 | 5.8 | 7.8 | 8.1 | 8.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | 4.1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <10 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 10.2 | 13.4 | 9.0 | 9.2 | 7.7 | 7.3 | 6.4 | 8.9 | 32 | 31 | 16.5 | 19 | 28 | 30 | 36.8 | 32.7 | 29 | 32.8 | 28.7 | 30.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 1.6 | <5 | <1 | 1.1 | 1.7 | 1.7 | 4.0 | 1.7 | 1.4 | 1.8 | 4.1 | 3.3 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | 2.0 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.4 | 5.1 | 5.5 | 4.6 | 4.1 | 4.1 | 3.7 | 4.6 | 50 | 52 | 33.3 | 33 | 40 | 39 | 58.4 | 44.5 | 37 | 39.6 | 39.6 | 30.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | | <1 | <0.5 | <0.5 | 1.8 | <5 | <5 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | <5 | <1 | | | | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | 0.85 | <1 | <1 | <1 | 0.73 | 3.6 | <10 | <1 | 5.6 | 3.1 | 2.9 | <1 | 3.4 | 2.7 | 3.0 | 4.5 | 1.9 |
| Total Halogenated Hydrocarbons | | 18 | 21 | 17 | 18 | 16 | 15 | 12 | 18 | 129 | 135 | 67 | 86 | 107 | 110 | 148 | 124 | 102 | 120 | 113 | 106 |
| Total Concentration of VOCs | | 18 | 21 | 17 | 18 | 16 | 15 | 12 | 18 | 129 | 135 | 67 | 86 | 107 | 110 | 148 | 124 | 102 | 120 | 113 | 106 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-93-3 (Cont'd) Sep-96 | Nov-96 | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99# | Feb-00 | Aug-00 | Feb-01 | Sep-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 3.8 | 3.0 | 5.7 | 5.5 | 4.5 | 4.8 | 5.0 | 4.4 | 3.7 | 2.7 | 3.2 | 3.1 | 3.7 | 4.8 | 4.1 | 6.9 | 9.1 | 8.0 | 7.9 | 6.9 |
| 1,2-Dichloroethane | 0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 13.8 | 8.9 | 21.4 | 20.9 | 14.4 | 15.8 | 20.8 | 17.8 | 11.7 | 7.7 | 9.8 | 9.1 | 10.1 | 12.7 | 9.2 | 19.5 | 18 | 12.5 | 10.4 | 9.0 |
| cis-1,2-Dichloroethene | 6 | 4.6 | 3.4 | 6.1 | 6.2 | 4.7 | 5.8 | 7.6 | 7.0 | 6.3 | 4.9 | 6.3 | 5.7 | 6.7 | 6.8 | 4.7 | 7.5 | 6.4 | 4.3 | 4.6 | 4.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 24.2 | 15.2 | 37 | 42.2 | 34 | 37.6 | 41.9 | 39.1 | 29.9 | 18.5 | 23.1 | 20 | 33.2 | 35.2 | 28.9 | 60 | 54.1 | 30.4 | 26.8 | 26 |
| 1,1,1-Trichloroethane | 200 | 1.4 | <1 | 1.6 | 1.8 | 1.3 | 1.6 | 2.2 | 2.3 | 1.5 | 1.0 | 1.4 | <1 | 2.1 | 1.8 | 1.3 | 2.6 | 3.5 | 1.9 | 1.4 | 1.2 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 36.1 | 24.9 | 37.4 | 46.3 | 29 | 32.3 | 37.2 | 32.8 | 22.8 | 16.2 | 20.5 | 16.2 | 18.8 | 22.2 | 17.7 | 35.6 | 33.2 | 19.8 | 17.8 | 17 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | 1.9 | <1 | 2.4 | 2.7 | <1 | 3.4 | 3.7 | 4.8 | 2.3 | 1.2 | 2.2 | 1.8 | 1.9 | 2.0 | 1.6 | 2.4 | 2.5 | 2.2 | 3.9 | 2.3 |
| Total Halogenated Hydrocarbons | | 86 | 55 | 112 | 126 | 88 | 101 | 118 | 108 | 78 | 52 | 68 | 56 | 77 | 86 | 68 | 135 | 127 | 79 | 73 | 67 |
| Total Concentration of VOCs | | 86 | 55 | 112 | 126 | 88 | 101 | 118 | 108 | 78 | 52 | 68 | 56 | 77 | 86 | 68 | 135 | 127 | 79 | 73 | 67 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-93-3 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Dec-06 | Feb-07 | Aug-07 | Feb-08 | Aug-08 | Mar-09 | Jul-09 | Mar-10 | Aug-10 | Feb-11 | Aug-11 | Feb-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 6.8 | 8.2 | 9.6 | 8.7 | 7.2 | 6.7 | 6.0 | 6.1 | 8.0 | 9.0 | 9.1 | 10.2 | 10.6 | 8.4 | 8.3 | 7.6 | 6.8 | 5.2 | 4.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 12.5 | 22.1 | 22 | 17.3 | 13.1 | 13.6 | 13.7 | 10.7 | 9.3 | 11.1 | 9.2 | 8.9 | 7.8 | 7.7 | 7.5 | 9.1 | 6.8 | 5.1 | 1.4 |
| cis-1,2-Dichloroethene | 6 | 4.7 | 6.1 | 6.9 | 6.3 | 5.2 | 6.2 | 7.0 | 5.9 | 6.5 | 9.6 | 9.7 | 10.8 | 9.4 | 8.7 | 8.2 | 9.2 | 8.0 | 5.8 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 22.8 | 36.1 | 42.6 | 37.3 | 31.2 | 30.9 | 31.4 | 27 | 23.5 | 30.5 | 30.3 | 26.6 | 23.8 | 25.4 | 21.7 | 22 | 21.2 | 18.4 | 5.3 |
| 1,1,1-Trichloroethane | 200 | <1 | 1.5 | 3.5 | 2.5 | 1.8 | 1.5 | 1.4 | 1.4 | 1.3 | 2.9 | 4.1 | 5.8 | 6.3 | 5.3 | 4.4 | 3.3 | 3.0 | 2.0 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18.8 | 27.6 | 31.1 | 28.3 | 19.4 | 21.2 | 21.5 | 18.4 | 17.3 | 23.1 | 21.6 | 19.9 | 17.9 | 17.5 | 14.4 | 16 | 14.8 | 11.8 | 4.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.4 | 1.9 | 2.0 | 1.4 | 1.9 | 1.2 | 1.2 | 1.0 | <1 | 1.8 | 2.2 | 2.1 | 2.3 | 1.9 | 2.7 | 1.7 | 1.4 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 68 | 104 | 118 | 102 | 80 | 81 | 82 | 71 | 66 | 88 | 86 | 84 | 78 | 75 | 67 | 69 | 62 | 48 | 19 |
| Total Concentration of VOCs | | 68 | 104 | 118 | 102 | 80 | 81 | 82 | 71 | 66 | 88 | 86 | 84 | 78 | 75 | 67 | 69 | 62 | 48 | 19 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-11 Jun-95 | (D)* | Sep-95 | Dec-95 | Feb-96 | Jun-96 | Aug-96 | Nov-96 | Mar-97 | May-97 | Jun-98 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03* | Aug-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | 4.0 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 4.2 | 1.4 | 2.6 | 2.3 | 1.5 | <1 | 1.0 | <1 | 1.5 | 1.5 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.9 | 0.92 | 1.5 | <1 | 1.4 | 1.1 | <1 | <1 | 1.0 | <1 | 1.4 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | 4.3 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | 1.2 | 1.7 | 1.6 | 1.3 | <1 | <1 | <1 | 1.3 | 1.3 | 3.7 | 2.2 | 1.8 | <1 | <1 | <1 | <1 | <1 | 0.51 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 15.2 | 12 | 15.3 | 11.9 | 12.3 | 5.7 | 9.0 | 5.5 | 11.4 | 10 | 11.5 | 7.4 | 6.5 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 1.8 | 1.9 |
| Freon-113 | 1200 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 33 | 16 | 21 | 16 | 17 | 6.8 | 10 | 5.5 | 15 | 13 | 18 | 11 | 8.3 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 2.3 | 1.9 |
| Total Concentration of VOCs | | 33 | 16 | 21 | 16 | 17 | 6.8 | 10 | 5.5 | 15 | 13 | 18 | 11 | 8.3 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 2.3 | 1.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-11 (Cont'd) | | | | | | | | 58-95-18 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-05 | Jul-06 | Aug-07 | Aug-08 | Jul-09 | Aug-10 | Aug-11 | Aug-12 | Aug-95 | Sep-95 | (D)* | Dec-95 | Feb-96 | Jun-96 | Sep-96 | Dec-96 | Feb-97 | May-97 | Sep-97 | Dec-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | | | | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | 1.9 | 3.7 | 4.6 | 5.0 | 1.7 | 10.4 | 11.7 | 9.7 | 13.2 | 9.1 | 9.9 | 9.3 | 15 | 2.6 | 7.8 | 11 | 7.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 42.8 | 45 | 32 | 49.6 | 24.5 | 42.7 | 11.3 | 64.7 | 8.2 | 20.3 | 20.2 | 21.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.6 | 2.5 | 2.7 | <1 | 10.3 | 11.3 | 8.2 | 12.1 | 7.4 | 11 | 8.4 | 12 | 3.1 | 7.7 | 9.4 | 7.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 1.8 | 2.1 | 2.1 | 2.6 | <1 | 25.4 | 27.7 | 25 | 26.4 | 15.6 | 22.7 | 9.8 | 35.4 | 6.8 | 10.7 | 16.6 | 19.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 2.2 | 3.4 | 4.1 | 3.8 | 1.4 | 41.2 | 40.8 | 40 | 41.5 | 24.1 | 27.1 | 31.6 | 62.9 | 10.9 | 23.3 | 33.3 | 28.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 5.9 | 11 | 13 | 14 | 3.1 | 130 | 137 | 115 | 143 | 81 | 113 | 70 | 190 | 32 | 70 | 91 | 84 |
| Total Concentration of VOCs | | | | | 5.9 | 11 | 13 | 14 | 3.1 | 130 | 137 | 115 | 143 | 81 | 113 | 70 | 190 | 32 | 70 | 91 | 84 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 58-95-18 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-98 | May-98 | Aug-98 | Dec-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Jul-06 | Aug-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | 3.4 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.6 | 4.5 | 4.2 | 6.4 | 2.0 | 4.2 | 2.0 | 5.6 | 2.1 | 4.3 | 1.9 | 3.0 | 2.4 | 4.6 | 1.4 | 3.2 | <1 | 1.7 | 2.6 | 3.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.7 | 17.7 | 16.3 | 15.1 | 6.5 | 9.5 | 6.4 | 15.2 | 6.7 | 14.4 | 7.8 | 8.5 | 7.0 | 12.6 | 4.6 | 10.4 | 3.7 | 5.1 | 6.9 | 9.3 |
| cis-1,2-Dichloroethene | 6 | 2.0 | 6.1 | 5.7 | 8.5 | 2.8 | 6.0 | 3.7 | 7.6 | 3.5 | 5.7 | 2.9 | 3.9 | 3.5 | 7.6 | 2.7 | 5.4 | 2.2 | 3.6 | 4.8 | 5.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.6 | 13 | 12.2 | 11.9 | 6.8 | 8.7 | 8.9 | 12.9 | 5.1 | 9.9 | 6.0 | 5.8 | 5.5 | 8.1 | 4.3 | 7.0 | 4.1 | 4.3 | 6.1 | 7.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.1 | 20.3 | 20.9 | 22.3 | 9.1 | 14.7 | 8.2 | 20.2 | 7.3 | 17.4 | 8.8 | 13.1 | 8.8 | 15.2 | 6.1 | 11.4 | 5.9 | 8.5 | 10.5 | 13.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 20 | 62 | 59 | 64 | 27 | 43 | 29 | 62 | 25 | 55 | 27 | 34 | 27 | 48 | 19 | 37 | 16 | 23 | 31 | 38 |
| Total Concentration of VOCs | | 20 | 62 | 59 | 64 | 27 | 43 | 29 | 62 | 25 | 55 | 27 | 34 | 27 | 48 | 19 | 37 | 16 | 23 | 31 | 38 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-95-18 (Cont'd) | | | | | 58-95-19 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-08 | Aug-09 | Aug-10* | Aug-11 | Aug-12 | Dec-95 (G | Feb-96 | Jun-96 | Sep-96 | (D)* | Dec-96* | Mar-97 | Jun-97 | Sep-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <1 | <1 | <1 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | 4.9 | 26.2 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <1 | <1 | <1 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | 4.9 | 26.2 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | 15.6 | 10.7 | 7.0 | 3.3 | 1.3 | 1.4 | 1.2 | 3.3 | <1 | 1.1 | 3.0 | 1.2 | 1.8 | 1.2 | <1 | 1.9 |
| 1,1-Dichloroethane | 5 | 2.5 | 2.4 | 2.2 | 2.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 1.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 6.5 | 5.0 | 6.5 | 5.8 | 1.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.4 | 4.3 | 4.7 | 3.7 | <1 | <1 | <1 | 13.3 | 3.7 | 3.4 | 4.7 | 34.4 | 9.0 | 12.2 | 5.0 | 10.3 | 15.5 | 17.1 | 18.3 | 37.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.1 | 4.2 | 4.6 | 4.0 | 1.1 | <1 | 2.0 | 6.2 | 1.4 | 2.0 | 5.5 | 61.8 | 5.5 | 16.7 | 6.7 | 10.9 | 3.1 | 7.0 | 5.8 | 18.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | < | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.7 | 8.0 | 9.0 | 8.0 | 2.1 | 1.4 | 10.6 | 24.9 | 12 | 12 | 23 | 172 | 29.1 | 52.8 | 24.7 | 43.1 | 33.3 | 41.7 | 47.8 | 107 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27 | 24 | 27 | 24 | 20 | 12 | 20 | 48 | 18 | 19 | 34 | 275 | 44 | 83 | 39 | 66 | 54 | 67 | 73 | 166 |
| Total Concentration of VOCs | | 27 | 24 | 27 | 24 | 20 | 17 | 46 | 48 | 18 | 19 | 34 | 275 | 44 | 83 | 39 | 66 | 54 | 67 | 73 | 166 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-19 (Cont'd) May-99 | Sep-99 | Nov-99 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Dec-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Mar-05 | Aug-05 | Feb-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 8.2 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.2 | 1.3 | <1 | <1 | <10 | 1.3 | 2.2 | 1.9 | 1.5 | 1.3 | 1.8 | 1.9 | 2.0 | 1.5 | 1.2 | 1.9 | 1.3 | 1.4 | <1 | 1.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <10 | <1 | 1.2 | 1.3 | <1 | <1 | 1.5 | <1 | 1.5 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 31.7 | 21.9 | 16.2 | 47.9 | 49.6 | 34.5 | 126.6 | 96.7 | 62.4 | 47.9 | 133.8 | 91 | 166.4 | 139 | 109 | 195 | 143 | 151 | 113 | 103 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <10 | <1 | 1.5 | 1.4 | <1 | <1 | 1.8 | <1 | 1.8 | 1.5 | <1 | 2.2 | 1.8 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 8.3 | 2.4 | 8.2 | 7.9 | 46.3 | 8.2 | 11 | 7.9 | 6.3 | 3.5 | 10.2 | 13.5 | 22.7 | 11.6 | 8.6 | 31 | 24 | 29.6 | 11.4 | 15.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 73.1 | 51.7 | 50.3 | 44.5 | 127.7 | 49.7 | 96.7 | 69.5 | 63.1 | 41.1 | 102.5 | 92.7 | 138.9 | 86.2 | 71.5 | 147 | 124 | 134 | 62.3 | 85.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <1 | 1.3 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 114 | 77 | 75 | 100 | 224 | 94 | 241 | 179 | 133 | 94 | 253 | 199 | 342 | 240 | 190 | 379 | 294 | 316 | 187 | 205 |
| Total Concentration of VOCs | | 114 | 77 | 75 | 100 | 224 | 94 | 241 | 179 | 133 | 94 | 253 | 199 | 342 | 240 | 190 | 379 | 294 | 316 | 187 | 205 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-95-19 (Cont'd) | | | | | | | | | | | | | | 58-95-20 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-06* | Feb-07 | Sep-07 | (D)* | Feb-08 | Aug-08 | Feb-09 | Aug-09 | Mar-10 | Aug-10* | Mar-11 | Sep-11 | Feb-12 | Sep-12 | Aug-95(G) | Oct-95 | Dec-95 | Mar-96 | May-96^ | Jun-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| n-Butylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| sec-Butylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| ter-Butylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| Isopropylbenzene | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <5 | <1 |
| p-Isopropyltoluene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | | <1 |
| n-Propylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <10 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Chloroform | 80 | <0.5 | <3 | <3 | <1 | <3 | <3 | <3 | <3 | <3 | 0.55 | <3 | <3 | <3 | <3 | 6.7 | 5.2 | 2.0 | 6.9 | <5 | 3.1 |
| 1,1-Dichloroethane | 5 | 1.5 | 1.5 | 1.2 | 1.2 | 1.4 | 1.2 | 1.2 | 1.3 | <1 | 1.3 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| 1,1-Dichloroethene | 6 | 1.8 | 1.8 | 1.8 | 1.2 | 1.6 | 1.8 | <1 | 1.6 | <1 | 1.9 | <1 | 1.7 | 1.6 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| cis-1,2-Dichloroethene | 6 | 130 | 135 | 112 | 97 | 119 | 120 | 96.1 | 97.7 | 62.8 | 86 | 54.6 | 87 | 81.8 | 44 | <1 | <1 | <1 | 6.5 | 7.7 | 3.3 |
| trans-1,2-Dichloroethene | 10 | <0.5 | 1.4 | <1 | 3.9 | 1.5 | <1 | <1 | 1.6 | <1 | 1.6 | <1 | 1.4 | 1.1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Tetrachloroethene | 5 | 31 | 25.3 | 50.7 | 44 | 38.6 | 25.6 | 37.8 | 30.1 | 33.7 | 35 | 7.1 | 22.2 | 28.9 | 11.2 | 14.5 | <1 | <1 | 11.1 | 20 | 7.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Trichloroethene | 5 | 120 | 120 | 134 | 110 | 145 | 116 | 117 | 122 | 89.9 | 130 | 37.9 | 94.7 | 101 | 47.5 | 3.2 | <1 | <1 | 8.0 | 19 | 4.8 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Freon-123A | | | <1 | <1 | | <1 | | | | | | | | | | <1 | <1 | <1 | <1 | <5 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Total Halogenated Hydrocarbons | | 284 | 285 | 300 | 257 | 307 | 265 | 252 | 254 | 186 | 256 | 100 | 208 | 214 | 103 | 24 | 5.2 | 2.0 | 33 | 47 | 19 |
| Total Concentration of VOCs | | 284 | 285 | 300 | 257 | 307 | 265 | 252 | 254 | 186 | 256 | 100 | 208 | 214 | 105≈ | 24 | 5.2 | 2.0 | 33 | 47 | 19 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 58-95-20 (Cont'd) Aug-96 | Dec-96* | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Mar-01 | May-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.9 | 1.5 | 4.0 | 3.0 | 1.4 | 1.4 | 6.7 | 5.0 | 1.4 | 1.5 | 1.5 | 2.9 | 2.9 | 1.4 | 3.8 | 3.1 | <3 | <3 | <3 | 3.2 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.3 | 0.85 | 3.1 | 1.9 | <1 | <1 | 7.9 | 4.7 | 1.5 | 1.0 | 6.8 | 5.1 | 2.1 | 1.0 | 5.3 | 1.4 | <1 | <1 | <1 | 5.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.8 | 3.3 | 8.1 | 4.6 | 2.0 | 3.1 | 25.9 | 17.5 | 5.6 | 5.3 | 13.4 | 11.8 | 4.8 | 3.9 | 29.4 | 7.0 | 4.0 | 3.6 | 6.5 | 12 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.9 | 3.0 | 7.4 | 5.0 | 1.8 | 2.6 | 23.5 | 14.4 | 4.0 | 3.8 | 10.4 | 8.4 | 5.2 | 3.1 | 15.8 | 5.5 | 2.9 | 2.8 | 4.0 | 12.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.9 | 8.7 | 23 | 15 | 5.2 | 7.1 | 64 | 42 | 13 | 12 | 32 | 28 | 15 | 9.4 | 56 | 17 | 6.9 | 6.4 | 11 | 33 |
| Total Concentration of VOCs | | 8.9 | 8.7 | 23 | 15 | 5.2 | 7.1 | 64 | 42 | 13 | 12 | 32 | 28 | 15 | 9.4 | 56 | 17 | 6.9 | 6.4 | 11 | 33 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-95-20 (Cont'd) | | | | | | | | | | | | | | | | 58-96-11 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-01 | Nov-01 | Mar-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Jul-06 | Aug-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Nov-96(G | Jan-97 | (D)* | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <500 | <200 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <500 | <200 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <1000 | <200 |
| Total Aromatic Hydrocarbons | | | | | | 3.1 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <500 | <200 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2470 | 1090 | 1000 | 632 |
| Chloroform | 80 | <3 | <3 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 365 | 50.8 | <500 | 107 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | 20 | <500 | <100 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <500 | <200 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 175 | 200 | <500 | 179 |
| cis-1,2-Dichloroethene | 6 | 2.0 | <1 | 7.1 | 4.1 | 2.7 | 6.1 | 1.9 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 565 | 738 | 720 | 881 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <1000 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <20 | <500 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Tetrachloroethene | 5 | 4.7 | 3.9 | 15.4 | 15 | 6.1 | 12.8 | 6.5 | 8.3 | 5.7 | 4.1 | 2.4 | 2.3 | 2.6 | 1.7 | 1.4 | 1.7 | 27700 | 18850 | 18000 | 15800 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Trichloroethene | 5 | 4.5 | 4.1 | 14.7 | 11.9 | 5.5 | 10 | 5.0 | 5.7 | 4.2 | 3.2 | 2.1 | 1.8 | 1.8 | <1 | <1 | 1.3 | 65800 | 21950 | 19000 | 25100 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <50 | <10 | | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <10 | <500 | <100 |
| Total Halogenated Hydrocarbons | | 11 | 8.0 | 40 | 31 | 14 | 29 | 13 | 16 | 9.9 | 7.3 | 4.5 | 4.1 | 4.4 | 1.7 | 1.4 | 3.0 | 97,075 | 42,899 | 38,720 | 42,699 |
| Total Concentration of VOCs | | 11 | 8.0 | 40 | 31 | 17 | 29 | 13 | 16 | 9.9 | 7.3 | 4.5 | 4.1 | 4.4 | 1.7 | 1.4 | 3.0 | 97,075 | 42,899 | 38,720 | 42,699 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) (D)* | Mar-97 | Jun-97 | Sep-97 | (D)* | Dec-97 | (D) | Mar-98 | Jun-98 | Sep-98 | (D)* | Nov-98 | Dec-98 | Mar-99 | Jun-99 | (D)* | Oct-99 | (D)* | Nov-99 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | 1.5 | <500 | <500 | <500 | <30 | <50 | 1.2 | <500 | 0.83 |
| n-Butylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| sec-Butylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| ter-Butylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | 0.89 | <500 | 0.51 |
| Ethylbenzene | 300 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 | <1000 | <30 | <100 | <0.5 | <1000 | <0.5 |
| p-Isopropyltoluene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | <500 | <500 | | <2500 | | <250 | <2500 | <2500 | | <5 | <2500 | <2500 | <2500 | <30 | <250 | <0.5 | <2500 | <0.5 |
| Naphthalene | | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 | <1000 | <30 | <100 | <0.5 | <1000 | <0.5 |
| n-Propylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Toluene | 150 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | 2 | <500 | <500 | <500 | <30 | <50 | 1.8 | <500 | 0.98 |
| 1,2,4-Trimethylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| 1,3,5-Trimethylbenzene | | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Xylenes, total | 1750 | <400 | <200 | <200 | <200 | <300 | <1000 | <2 | <100 | <1000 | <1000 | <2000 | <2 | <1000 | <1000 | <1000 | <50 | <100 | <1 | <1000 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 3.5 | | | | | | 3.89 | | 2.32 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Bromoform | 80 | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 | <1000 | <30 | <100 | 2 | <1000 | <0.5 |
| Carbon Tetrachloride | 0.5 | 810 | 1320 | 389 | 455 | 540 | <500 | 269 | 845 | <500 | <500 | <900 | 213 | <500 | 863 | 1230 | 1400 | 224 | 220 | <500 | 16 |
| Chloroform | 80 | <200 | 103 | 258 | 222 | 280 | <500 | 185 | 128 | <500 | <500 | <900 | 256 | <500 | <500 | <500 | 100 | 149 | 130 | <500 | 130 |
| 1,1-Dichloroethane | 5 | <200 | <100 | <100 | <100 | <200 | <500 | 36.7 | <50 | <500 | <500 | <900 | 50.8 | <500 | <500 | <500 | 46 | <50 | 34 | <500 | 23 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <200 | <200 | <1000 | 12.9 | <100 | <1000 | <1000 | <900 | 1.5 | <1000 | <1000 | <1000 | <30 | <100 | 9 | <1000 | 7.0 |
| 1,1-Dichloroethene | 6 | 220 | 231 | 237 | 276 | 330 | <500 | 214 | 271 | <500 | <500 | <900 | 280 | <500 | <500 | <500 | 350 | 182 | 210 | <500 | 170 |
| cis-1,2-Dichloroethene | 6 | 1100 | 1030 | 1010 | 1160 | 1200 | 779 | 855 | 884 | 749 | 804 | 1200 | 1140 | 908 | 806 | 1030 | 1200 | 588 | 890 | <500 | 580 |
| trans-1,2-Dichloroethene | 10 | <200 | <100 | <100 | <100 | <200 | <500 | 10.3 | <50 | <500 | <500 | <900 | 9.8 | <500 | <500 | <500 | <30 | <50 | 8.8 | <500 | 5.7 |
| Methylene Chloride | 5 | <400 | <100 | <100 | <100 | <300 | <500 | <1 | <50 | <500 | <500 | <2000 | <1 | <500 | <500 | <500 | <50 | <50 | 5.6 | <500 | 7.8 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <200 | <1000 | 16.9 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 | <1000 | 85 | <100 | 18 | <1000 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Tetrachloroethene | 5 | 19000 | 21400 | 28700 | 25200 | 29000 | 22400 | 18000 | 26800 | 17900 | 27200 | 28000 | 34400 | 25600 | 30400 | 38300 | 37000 | 12200 | 20000 | 11800 | 14000 |
| 1,1,1-Trichloroethane | 200 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | 1.3 |
| 1,1,2-Trichloroethane | 5 | <200 | <100 | <100 | <100 | <200 | <500 | 13.8 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | 7.9 | <500 | 8.2 |
| Trichloroethene | 5 | 28000 | 27600 | 35000 | 29200 | 39000 | 28200 | 23000 | 32700 | 23000 | 30300 | 36000 | 35300 | 30200 | 31800 | 35700 | 40000 | 17800 | 23000 | 14100 | 16000 |
| Freon-113 | 1200 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 | <500 | <30 | <50 | <0.5 | <500 | <0.5 |
| Freon-123A | | | <100 | <100 | <100 | | <500 | <1 | <50 | <500 | <500 | | <1 | <500 | <500 | <500 | | <50 | | <500 | |
| Vinyl Chloride | 0.5 | <200 | <100 | <100 | <100 | <200 | <500 | 7.6 | <50 | <500 | <500 | <900 | 4.7 | <500 | <500 | <500 | <30 | <50 | 4.4 | <500 | 4.3 |
| Total Halogenated Hydrocarbons | | 49,130 | 51,684 | 65,594 | 56,513 | 70,350 | 51,379 | 42,621 | 61,628 | 41,649 | 58,304 | 65,200 | 71,656 | 56,708 | 63,869 | 76,260 | 80,181 | 31,143 | 44,540 | 25,900 | 30,953 |
| Total Concentration of VOCs | | 49,130 | 51,684 | 65,594 | 56,513 | 70,350 | 51,379 | 42,621 | 61,628 | 41,649 | 58,304 | 65,200 | 71,659 | 56,708 | 63,869 | 76,260 | 80,181 | 31,143 | 44,544 | 25,900 | 30,956 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) Mar-00 | (D)* | May-00 | (D)* | Jul-00 | Sep-00 | (D)* | Nov-00 | (D)* | Jan-01 | Apr-01 | Jun-01 | (D)* | Sep-01 | (D)* | Dec-01 | Mar-02 | May-02 | Sep-02 | Nov-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | 0.69 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| n-Butylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| sec-Butylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| ter-Butylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Ethylbenzene | 300 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Isopropylbenzene | | <200 | <20 | <200 | <0.5 | <10 | <20 | <70 | <20 | <0.5 | <200 | <200 | <20 | <0.5 | <20 | <0.5 | <200 | <20 | <200 | <200 | <200 |
| p-Isopropyltoluene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <500 | <20 | <500 | <0.5 | <25 | <50 | <70 | <50 | 0.53 | <500 | <500 | <50 | <0.5 | <50 | <0.5 | <500 | <50 | <500 | <500 | <500 |
| Naphthalene | | <200 | <20 | <200 | <0.5 | <10 | 21.3 | <70 | <20 | <0.5 | <200 | <200 | <20 | <0.5 | <20 | <0.5 | <200 | <20 | <200 | <200 | <200 |
| n-Propylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Toluene | 150 | <100 | <20 | <100 | 0.74 | <5 | <10 | <70 | <10 | 0.83 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Xylenes, total | 1750 | <200 | <50 | <200 | <1 | <10 | <20 | <200 | <20 | <1 | <200 | <200 | <20 | <1 | <20 | <1 | <200 | <20 | <200 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | 0.74 | | 21.3 | | | 2.05 | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Bromoform | 80 | <200 | <20 | <200 | 2.0 | <10 | <20 | <70 | <20 | 3.7 | <200 | <200 | <20 | 1.9 | <20 | <0.5 | <200 | <20 | <200 | <200 | <200 |
| Carbon Tetrachloride | 0.5 | <100 | 24 | <100 | 70 | <5 | 37.2 | <70 | 548.8 | 430 | 286.8 | <100 | 75.4 | 83 | 12.7 | 12 | 349.7 | 191.2 | 270.1 | 126.7 | <100 |
| Chloroform | 80 | <100 | 28 | <100 | 41 | <15 | <30 | <70 | 33.6 | 30 | <300 | <300 | <30 | 6.7 | <30 | 3.8 | <300 | <30 | <300 | <300 | <300 |
| 1,1-Dichloroethane | 5 | <100 | <20 | <100 | 10 | <5 | <10 | <70 | 14.7 | 16 | <100 | <100 | <10 | 3.7 | <10 | 1.6 | <100 | <10 | <100 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <200 | <20 | <200 | 4.0 | <10 | <20 | <70 | <20 | 4.2 | <200 | <200 | <20 | 1.8 | <20 | 1.5 | <200 | <20 | <200 | <200 | <200 |
| 1,1-Dichloroethene | 6 | <100 | 30 | <100 | 55 | <5 | <10 | <70 | 79.8 | 95 | <100 | <100 | <10 | 13 | <10 | 2.4 | <100 | 55.1 | <100 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | 298 | 190 | 287 | 210 | 30.9 | 128.1 | 150 | 390.1 | 460 | 289.7 | <100 | 87.1 | 97 | 50.3 | 56 | 272.7 | 182.1 | 138.8 | 118.4 | 102.5 |
| trans-1,2-Dichloroethene | 10 | <100 | <20 | <100 | 5.3 | <5 | <10 | <70 | <10 | 3.8 | <100 | <100 | <10 | 1.8 | <10 | 1.3 | <100 | <10 | <100 | <100 | <100 |
| Methylene Chloride | 5 | <100 | <50 | <100 | 3.8 | <5 | <10 | <200 | <10 | <1 | <100 | <100 | <10 | <1 | <10 | <1 | <100 | <10 | <100 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <200 | <20 | <200 | 11 | <10 | <20 | <70 | 41.9 | 24 | <200 | <200 | <20 | 7.8 | <20 | 7.4 | <200 | <20 | <200 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <20 | <100 | <0.5 | <5 | 1.6 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Tetrachloroethene | 5 | 4170 | 3300 | 7070 | 2200 | 727 | 1484.9 | 1700 | 10907 | 9200 | 8094.8 | 2623.7 | 3,001# | 1800 | 621.4 | 390 | 6933.2 | 6558.4 | 5285.9 | 5271.3 | 4405.6 |
| 1,1,1-Trichloroethane | 200 | <100 | 23 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <100 | <20 | <100 | 4.6 | <5 | <10 | <70 | <10 | 5.5 | <100 | <100 | <10 | 2.4 | <10 | 2.1 | <100 | <10 | <100 | <100 | <100 |
| Trichloroethene | 5 | 4020 | 4100 | 9070 | 3300 | 751 | 1958.4 | 2100 | 8891.3 | 11000 | 6389.5 | 2962.5 | 2,220# | 1800 | 935 | 580 | 6940.4 | 6248.4 | 5318.6 | 5082.1 | 4035.1 |
| Freon-113 | 1200 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Freon-123A | | <100 | | <100 | | <5 | <10 | | <10 | | <100 | <100 | <10 | | <10 | | <100 | <10 | <100 | <100 | <100 |
| Vinyl Chloride | 0.5 | <100 | <20 | <100 | 1.4 | <5 | <10 | <70 | <10 | 0.95 | <100 | <100 | <10 | <0.5 | <10 | <0.5 | <100 | <10 | <100 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 8,488 | 7,695 | 16,427 | 5,918 | 1,509 | 3,610 | 3,950 | 20,907 | 21,273 | 15,061 | 5,586 | 5,383# | 3,819 | 1,619 | 1,058 | 14,496 | 13,235 | 11,013 | 10,599 | 8,543 |
| Total Concentration of VOCs | | 8,488 | 7,695 | 16,427 | 5,919 | 1,539≈ | 3,647≈ | 3,950 | 20,907 | 21,275 | 15,061 | 5,586 | 5,383# | 3,819 | 1,619 | 1,058 | 14,496 | 13,235 | 11,013 | 10,599 | 8,543 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| | | 58-96-11 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-03 | (D)* | Apr-03 | Sep-03 | Dec-03 | Mar-04 | (D)* | May-04 | Aug-04 | Nov-04 | (D)* | Mar-05 | (D)* | Jun-05 | (D)* | Aug-05 | (D)* | Oct-05 | Feb-06 | Mar-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | 0.65 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| n-Butylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| sec-Butylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| ter-Butylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| 1,4-Dichlorobenzene | 5 | <100 | 0.61 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Ethylbenzene | 300 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Isopropylbenzene | | <200 | <0.5 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 | <5 | <200 | <12 | <100 | <200 | <2 |
| p-Isopropyltoluene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Methyl tert-Butyl Ether | 13 | <500 | <0.5 | <2500 | <2500 | <2500 | <500 | <20 | <250 | <250 | <500 | <30 | <250 | <25 | <250 | <5 | <500 | <12 | <250 | <500 | <5 |
| Naphthalene | | <200 | <0.5 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 | <5 | <200 | <12 | <100 | <200 | <2 |
| n-Propylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Toluene | 150 | <100 | 1.8 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| 1,2,4-Trimethylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| 1,3,5-Trimethylbenzene | | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Xylenes, total | 1750 | <200 | <1 | <1000 | <1000 | <1000 | <200 | <30 | <100 | <100 | <200 | <50 | <100 | <50 | <100 | <10 | <200 | <25 | <100 | <200 | <2 |
| Total Aromatic Hydrocarbons | | | 3.06 | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Bromoform | 80 | <200 | 3.7 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 | <5 | <200 | <12 | <100 | <200 | <2 |
| Carbon Tetrachloride | 0.5 | 638 | 560 | 563 | <500 | <500 | <100 | 75 | 97.4 | <50 | <100 | 50 | 125 | 120 | <50 | 57 | <100 | 32 | <50 | <100 | 27.9 |
| Chloroform | 80 | <300 | 27 | <1500 | <1500 | <1500 | <300 | <20 | <150 | <150 | <300 | <30 | <150 | <25 | <150 | 1.7 | <300 | <12 | <150 | <300 | <3 |
| 1,1-Dichloroethane | 5 | <100 | 18 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| 1,2-Dichloroethane | 0.5 | <200 | 4.6 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 | <5 | <200 | <12 | <100 | <200 | <2 |
| 1,1-Dichloroethene | 6 | 106 | 100 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | 9.2 | <100 | <12 | <50 | <100 | 5.9 |
| cis-1,2-Dichloroethene | 6 | 378 | 380 | <500 | <500 | <500 | <100 | 49 | 59.6 | <50 | <100 | 97 | 77.9 | 78 | <50 | 29 | <100 | 22 | <50 | <100 | 19.3 |
| trans-1,2-Dichloroethene | 10 | <100 | 7.7 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Methylene Chloride | 5 | <100 | <1 | <500 | <500 | <500 | <100 | 47.0† | <50 | <50 | <100 | <50 | <50 | <50 | <50 | <10 | <100 | <25 | <50 | <100 | <1 |
| 1,1,1,2-Tetrachloroethane | | <200 | 34 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 | 2.6 | <200 | <12 | <100 | <200 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Tetrachloroethene | 5 | 15300 | 14000 | 9610 | 9440 | 3010 | 1690 | 1800 | 2360 | 1270 | 3620 | 3300 | 3330 | 3400 | 1460 | 1900 | 1040 | 920 | 1100 | 1600 | 863 |
| 1,1,1-Trichloroethane | 200 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| 1,1,2-Trichloroethane | 5 | <100 | 5.2 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Trichloroethene | 5 | 14200 | 13000 | 7440 | 6590 | 2650 | 1300 | 1200 | 1720 | 1020 | 3040 | 2900 | 2540 | 2700 | 1030 | 980 | 784 | 650 | 852 | 1080 | 525 |
| Freon-113 | 1200 | <100 | 0.85 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | | <50 | <100 | <1 |
| Freon-123A | | <100 | | <500 | <500 | <500 | <100 | | <50 | <50 | <100 | | <50 | | <50 | | <100 | | <50 | <100 | <1 |
| Vinyl Chloride | 0.5 | <100 | 1.4 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 | <5 | <100 | <12 | <50 | <100 | <1 |
| Total Halogenated Hydrocarbons | | 30,622 | 28,142 | 17,613 | 16,030 | 5,660 | 2,990 | 3,171 | 4,237 | 2,290 | 6,660 | 6,347 | 6,073 | 6,298 | 2,490 | 2,980 | 1,824 | 1,624 | 1,952 | 2,680 | 1,441 |
| Total Concentration of VOCs | | 30,622 | 28,146 | 17,613 | 16,030 | 5,660 | 2,990 | 3,171 | 4,237 | 2,290 | 6,660 | 6,347 | 6,073 | 6,298 | 2,490 | 2,980 | 1,824 | 1,624 | 1,952 | 2,680 | 1,441 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-06 | May-06 | Jun-06 | Aug-06 | Aug-06* | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | | <20 | <100 | | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | | <50 | <250 | | <250 | <5 | <50 | <250 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <20 | <20 | <20 | <20 | | <20 | <100 | | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <1 | <20 | <100 | <1 | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromoform | 80 | <20 | <20 | <20 | <20 | 2.3 | <20 | <100 | <0.5 | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 50.5 | 43.7 | 23.8 | 31 | 40 | 14.2 | <50 | 41 | <50 | 10.7 | 15.9 | <50 | 12 | 16.9 | 17.7 | 26.1 | 19.2 | 23.2 | 19.3 | 17.5 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | 1.1 | <30 | <150 | 1.8 | <150 | <3 | <30 | <150 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | 0.84 | <10 | <50 | 1.2 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <100 | <0.5 | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | 5.8 | <10 | <50 | 7.8 | <50 | 2.0 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | 28 | 28.1 | 28.7 | 28.6 | 20 | <10 | <50 | 33 | <50 | 7.4 | <10 | <50 | 7.7 | 10.8 | 14.5 | 18.3 | 17.4 | 15.8 | 18.9 | 17.9 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | 1.1 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <50 | <1 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | 2.0 | <20 | <100 | 2.4 | <100 | <2 | <20 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 1680 | 1250 | 877 | 1050 | 980 | 423 | 440 | 1100 | 460 | 305 | 387 | 308 | 285 | 451 | 497 | 753 | 648 | 675 | 631 | 623 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 924 | 801 | 678 | 793 | 590 | 319 | 271 | 740 | 299 | 191 | 244 | 215 | 187 | 272 | 350 | 505 | 452 | 452 | 471 | 445 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 2,683 | 2,123 | 1,608 | 1,903 | 1,643 | 756 | 711 | 1,927 | 759 | 516 | 647 | 523 | 492 | 751 | 879 | 1,302 | 1,137 | 1,166 | 1,140 | 1,103 |
| Total Concentration of VOCs | | 2,683 | 2,123 | 1,608 | 1,903 | 1,644≈ | 756 | 711 | 1,927 | 759 | 516 | 647 | 523 | 492 | 751 | 879 | 1,302 | 1,137 | 1,166 | 1,140 | 1,103 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) Feb-08 | (D)* | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | (D)* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | (D)* | Apr-09 | May-09 | Jun-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| n-Butylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| sec-Butylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| ter-Butylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| Ethylbenzene | 300 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Isopropylbenzene | | <10 | | <10 | <10 | <10 | <10 | <2 | <10 | | <10 | <10 | <10 | | <10 | <10 | <10 | | <10 | <10 | <10 |
| p-Isopropyltoluene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <25 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <10 | | <10 | <10 | <10 | <10 | <2 | <10 | | <10 | <10 | <10 | | <10 | <10 | <10 | | <10 | <10 | <10 |
| n-Propylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| Toluene | 150 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <5 | | <5 | <5 | <5 | <5 | <1 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 | | <5 | <5 | <5 |
| Xylenes, total | 1750 | <10 | <1 | <10 | <10 | <10 | <10 | <2 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Bromoform | 80 | <10 | <0.5 | <10 | <10 | <10 | <10 | <2 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 23.9 | 28 | 13.4 | 19.7 | 5.9 | 11.5 | 8.5 | 12.6 | 15 | 11 | 7.8 | 10.2 | 9.5 | 9.5 | 5.8 | 6.0 | <0.5 | 12.5 | 17.6 | 12 |
| Chloroform | 80 | <15 | 1.2 | <15 | <15 | <15 | <15 | <3 | <15 | 0.73 | <15 | <15 | <15 | 0.53 | <15 | <15 | <15 | 0.68 | <15 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <5 | 0.85 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <2 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 5.1 | 5.8 | <5 | <5 | <5 | <5 | <1 | <5 | 2.4 | <5 | <5 | <5 | 1.8 | <5 | <5 | <5 | 1.5 | <5 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | 19.4 | 24 | 15.3 | 12 | <5 | 11.2 | 8.4 | 8.1 | 8.1 | <5 | 9.3 | 7.9 | 7.1 | <5 | <5 | 7.7 | 9.1 | 7.3 | 9.8 | 7.0 |
| trans-1,2-Dichloroethene | 10 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <5 | <1 | <5 | <5 | <5 | <5 | <1 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <1 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <10 | <0.5 | <10 | <10 | <10 | <10 | <2 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 691 | 680 | 394 | 459 | 186 | 328 | 256 | 326 | 300 | 301 | 264 | 304 | 230 | 295 | 185 | 211 | 200 | 301 | 446 | 287 |
| 1,1,1-Trichloroethane | 200 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 490 | 490 | 318 | 322 | 126 | 249 | 190 | 217 | 210 | 192 | 196 | 205 | 150 | 172 | 114 | 176 | 170 | 213 | 298 | 194 |
| Freon-113 | 1200 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Freon-123A | | <5 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 1,229 | 1,230 | 741 | 813 | 318 | 600 | 463 | 564 | 536 | 504 | 477 | 527 | 399 | 477 | 305 | 401 | 381 | 534 | 771 | 500 |
| Total Concentration of VOCs | | 1,229 | 1,230 | 741 | 813 | 318 | 600 | 463 | 564 | 536 | 504 | 477 | 527 | 399 | 477 | 305 | 401 | 381 | 534 | 771 | 500 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) Jul-09 | Aug-09 | (D)* | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | (D)* | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | (D)* | Jan-11 | Feb-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| n-Butylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| sec-Butylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| ter-Butylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| Ethylbenzene | 300 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Isopropylbenzene | | <10 | <10 | | <10 | <10 | <2 | <10 | <10 | | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | | <10 | <2 |
| p-Isopropyltoluene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <10 | <10 | | <10 | <10 | <2 | <10 | <10 | | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | | <10 | <2 |
| n-Propylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| Toluene | 150 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <5 | | <5 | <5 | <1 | <5 | <5 | | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | | <5 | <1 |
| Xylenes, total | 1750 | <10 | <10 | <1 | <10 | <10 | <2 | <10 | <10 | <1 | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <1 | <10 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Bromoform | 80 | <10 | <10 | <0.5 | <10 | <10 | <2 | <10 | <10 | <0.5 | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 |
| Carbon Tetrachloride | 0.5 | 14.3 | 12.2 | 18 | 17.6 | <5 | 8.4 | 10 | 10.2 | 13 | 9.6 | 8.3 | 13.6 | 11.8 | 8.3 | 9.4 | 11.4 | 14.1 | 16 | 11.5 | 13.4 |
| Chloroform | 80 | <15 | <15 | 0.76 | <15 | <15 | <3 | <15 | <15 | <0.5 | <15 | <3 | <15 | <15 | <3 | <3 | <3 | <3 | 0.69 | <15 | <3 |
| 1,1-Dichloroethane | 5 | <5 | <5 | 0.52 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <0.5 | <10 | <10 | <2 | <10 | <10 | <0.5 | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <5 | 2.7 | <5 | <5 | 1.4 | <5 | <5 | 2.0 | <5 | 1.9 | <5 | <5 | <1 | 2.2 | 2.4 | 2.2 | 3.3 | <5 | 2.9 |
| cis-1,2-Dichloroethene | 6 | 10.4 | 8.6 | 10 | 10.6 | <5 | 7.0 | 6.3 | <5 | 6.9 | 6.2 | 12.1 | 10.2 | 9.4 | 7.9 | 9.2 | 10.2 | 9.0 | 13 | 9.6 | 9.1 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Methylene Chloride | 5 | <5 | <5 | <1 | <5 | <5 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | 0.79 | <10 | <10 | <2 | <10 | <10 | 0.59 | <10 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | 0.8 | <10 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Tetrachloroethene | 5 | 378 | 363 | 300 | 477 | 109 | 233 | 292 | 288 | 250 | 269 | 285 | 388 | 312 | 255 | 304 | 313 | 379 | 370 | 364 | 427 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Trichloroethene | 5 | 264 | 233 | 240 | 322 | 94.2 | 171 | 210 | 186 | 180 | 184 | 263 | 283 | 245 | 203 | 204 | 242 | 278 | 290 | 272 | 305 |
| Freon-113 | 1200 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | <5 | <0.5 | <5 | <5 | <1 | <5 | <5 | <0.5 | <5 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Total Halogenated Hydrocarbons | | 667 | 617 | 573 | 827 | 203 | 421 | 518 | 484 | 452 | 469 | 570 | 695 | 578 | 474 | 529 | 579 | 682 | 694 | 657 | 757 |
| Total Concentration of VOCs | | 667 | 617 | 573 | 827 | 203 | 421 | 518 | 484 | 452 | 469 | 570 | 695 | 578 | 474 | 529 | 579 | 682 | 694 | 657 | 757 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-96-11 (Cont'd) | | | | | | | | | | | | | | 58-00-12 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-11 | (D)* | Apr-11 | Jun-11 | Aug-11 | (D)* | Oct-11 | Dec-11 | Feb-12 | (D)* | Apr-12 | Jun-12 | Aug-12 | (D)* | Jun-01 | (D)* | Dec-01 | (D)* | Mar-02 | Jun-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | <200 | <500 | <2000 | <100 | <1000 | <2000 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | <500 | <500 | <5000 | <100 | <2500 | <5000 |
| Naphthalene | | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | <200 | <500 | <2000 | <100 | <1000 | <2000 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <200 | <1000 | <2000 | <200 | <1000 | <2000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <200 | <500 | <2000 | <100 | <1000 | <2000 |
| Carbon Tetrachloride | 0.5 | 12.6 | 18 | 14.2 | 13.1 | 8.9 | 14 | 8.8 | 9.1 | 20.5 | 26 | 17.6 | 8.2 | 9.9 | 17 | 1810.9 | 1600 | 1948 | 1700 | 1749.1 | <1000 |
| Chloroform | 80 | <3 | 0.61 | <3 | <3 | <3 | 0.6 | <3 | <3 | <3 | 0.93 | <3 | <3 | <3 | 0.67 | <300 | <500 | <3000 | <100 | <1500 | <3000 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.59 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <200 | <500 | <2000 | <100 | <1000 | <2000 |
| 1,1-Dichloroethene | 6 | 1.8 | 2.8 | 2.3 | 2.3 | 2.0 | 2.6 | 1.8 | 1.7 | 3.7 | 4.2 | 2.7 | 1.9 | 2.4 | 3.1 | 210.5 | <500 | <1000 | 250 | <500 | <1000 |
| cis-1,2-Dichloroethene | 6 | 8.0 | 10 | 7.3 | 8.5 | 7.9 | 9.5 | 6.5 | 6.1 | 13.8 | 14 | 11.1 | 6.4 | 8.1 | 9.9 | 451.2 | 700 | <1000 | 700 | <500 | <1000 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 2100 | <1000 | <200 | <500 | <1000 |
| 1,1,1,2-Tetrachloroethane | | <2 | 0.9 | <2 | <2 | <2 | 0.77 | <2 | <2 | <2 | 1.2 | <2 | <2 | <2 | <0.5 | <200 | <500 | <2000 | <100 | <1000 | <2000 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Tetrachloroethene | 5 | 336 | 310 | 395 | 337 | 307 | 310 | 188 | 237 | 653 | 390 | 529 | 237 | 327 | 220 | 45262 | 38000 | 54653 | 52000 | 53393 | 32055 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Trichloroethene | 5 | 245 | 250 | 266 | 248 | 234 | 250 | 161 | 174 | 444 | 270 | 360 | 159 | 242 | 180 | 34411 | 33000 | 40126 | 37000 | 41750 | 31221 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Freon-123A | | | | | | | | | | | | | | | | <100 | | <1000 | | <500 | <1000 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <100 | <500 | <1000 | <100 | <500 | <1000 |
| Total Halogenated Hydrocarbons | | 603 | 592 | 685 | 609 | 560 | 587 | 366 | 428 | 1,135 | 707 | 920 | 413 | 589 | 431 | 82,146 | 75,400 | 96,727 | 91,650 | 96,892 | 63,276 |
| Total Concentration of VOCs | | 603 | 592 | 685 | 609 | 560 | 587 | 366 | 428 | 1,135 | 707 | 920 | 413 | 589 | 431 | 82,146 | 76,140≈ | 96,727 | 91,650 | 96,892 | 63,276 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) (D)* | Sep-02 | (D)* | Nov-02 | (D)* | Feb-03 | (D)* | Apr-03 | (D)* | Jul-03* | Aug-03* | Sep-03 | Oct-03 | Nov-03 | (D)* | Dec-03* | Jan-04 | Feb-04 | Mar-04 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 1.4 | <100 | <1000 | <1000 | <1000 | <100 | 0.9 | <1000 | <500 | <500 | <300 |
| n-Butylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| sec-Butylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| ter-Butylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| 1,4-Dichlorobenzene | 5 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 2.6 | <100 | <1000 | <1000 | <1000 | <100 | 0.82 | <1000 | <500 | <500 | <300 |
| Ethylbenzene | 300 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Isopropylbenzene | | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <100 | <2000 | <2000 | <2000 | <100 | <0.5 | <2000 | <1000 | <1000 | <300 |
| p-Isopropyltoluene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Methyl tert-Butyl Ether | 13 | <50 | <5000 | <50 | <5000 | <100 | <2500 | <200 | <2500 | <100 | <0.5 | <100 | <5000 | <5000 | <5000 | <100 | <0.5 | <5000 | <2500 | <2500 | <300 |
| Naphthalene | | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <100 | <2000 | <2000 | <2000 | <100 | <0.5 | <2000 | <1000 | <1000 | <300 |
| n-Propylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Toluene | 150 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 6.6# | <100 | <1000 | <1000 | <1000 | <100 | 3.5 | <1000 | <500 | <500 | <300 |
| 1,2,4-Trimethylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| 1,3,5-Trimethylbenzene | | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Xylenes, total | 1750 | <100 | <2000 | <100 | <2000 | <200 | <1000 | <300 | <1000 | <200 | 3.2 | <200 | <2000 | <2000 | <2000 | <200 | <0.5 | <2000 | <1000 | <1000 | <500 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 13.8 | | | | | | 5.22 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Bromoform | 80 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | 14 | <100 | <2000 | <2000 | <2000 | <100 | 9.7 | <2000 | <1000 | <1000 | <300 |
| Carbon Tetrachloride | 0.5 | 670 | 1789.8 | 1500 | 1755.9 | 1200 | 2130 | 2300 | 1830 | 2500 | 2300 | 1700 | <1000 | 1600 | 1750 | 1700 | <0.5 | 1170 | 1370 | 1690 | 1600 |
| Chloroform | 80 | 99 | <3000 | 89 | <3000 | <100 | <1500 | <200 | <1500 | <100 | 65 | <100 | <3000 | <3000 | <3000 | <100 | 33 | <3000 | <1500 | <1500 | <300 |
| 1,1-Dichloroethane | 5 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 29 | <100 | <1000 | <1000 | <1000 | <100 | 24 | <1000 | <500 | <500 | <300 |
| 1,2-Dichloroethane | 0.5 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | 6.6 | <100 | <2000 | <2000 | <2000 | <100 | 4.9 | <2000 | <1000 | <1000 | <300 |
| 1,1-Dichloroethene | 6 | 160 | <1000 | 230 | <1000 | 170 | <500 | 320 | <500 | 300 | 310 | 220 | <1000 | <1000 | <1000 | 180 | 190 | <1000 | <500 | <500 | <300 |
| cis-1,2-Dichloroethene | 6 | 420 | <1000 | 540 | <1000 | 400 | 556 | 720 | 630 | 670 | 680 | 460 | <1000 | <1000 | <1000 | 410 | 420 | <1000 | <500 | 620 | 480 |
| trans-1,2-Dichloroethene | 10 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 13 | <100 | <1000 | <1000 | <1000 | <100 | 9.8 | <1000 | <500 | <500 | <300 |
| Methylene Chloride | 5 | <100 | <1000 | <100 | <1000 | <200 | <500 | <300 | <500 | 1600 | 7.6 # | <200 | <1000 | <1000 | <1000 | <200 | 6.0 | <1000 | <500 | <500 | 740.0^ |
| 1,1,1,2-Tetrachloroethane | | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <200 | <2000 | <2000 | <2000 | <100 | 72 | <2000 | <1000 | <1000 | <300 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Tetrachloroethene | 5 | 32000 | 52225 | 41000 | 47636 | 39000 | 60200 | 43000 | 57700 | 41000 | 64000 | 47000 | 49800 | 46900 | 53500 | 53000 | 29,000# | 32600 | 32200 | 38400 | 44000 |
| 1,1,1-Trichloroethane | 200 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 3.9 | <100 | <1000 | <1000 | <1000 | <100 | 3.3 | <1000 | <500 | <500 | <300 |
| 1,1,2-Trichloroethane | 5 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 14.0# | <100 | <1000 | <1000 | <1000 | <100 | 6.8 | <1000 | <500 | <500 | <300 |
| Trichloroethene | 5 | 28000 | 38248 | 31000 | 37021 | 33000 | 45400 | 35000 | 42200 | 34000 | 37000 | 29000 | 30800 | 32600 | 32300 | 29,000# | 21000 | 22700 | 23100 | 24700 | 23000 |
| Freon-113 | 1200 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 |
| Freon-123A | | | <1000 | | <1000 | | <500 | | <500 | | | | <1000 | <1000 | <1000 | | | <1000 | <500 | <500 | |
| Vinyl Chloride | 0.5 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 28 | <100 | <1000 | <1000 | <1000 | <100 | 28 | <1000 | <500 | <500 | <300 |
| Total Halogenated Hydrocarbons | | 61,349 | 92,262 | 74,359 | 86,412 | 73,770 | 108,286 | 81,340 | 102,360 | 80,070 | 104,471 | 78,380 | 80,600 | 81,100 | 87,550 | 84,290 | 50,808 | 56,470 | 56,670 | 65,410 | 69,820 |
| Total Concentration of VOCs | | 61,349 | 92,262 | 74,359 | 86,412 | 73,770 | 108,286 | 81,340 | 102,360 | 80,070 | 104,486≈ | 78,380 | 80,600 | 81,100 | 87,550 | 84,290 | 50,813 | 56,470 | 56,670 | 65,410 | 69,820 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) Mar-04 | Apr-04 | May-04 | (D)* | Jun-04 | Jul-04 | Aug-04 | (D)* | Sep-04 | Oct-04 | Nov-04 | (D)* | Dec-04* | Jan-05 | Feb-05 | Mar-05 | (D)* | Apr-05 | Jun-05 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 0.75 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| n-Butylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| sec-Butylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| ter-Butylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| 1,4-Dichlorobenzene | 5 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 1.1 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Ethylbenzene | 300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Isopropylbenzene | | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 | <0.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 |
| p-Isopropyltoluene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Methyl tert-Butyl Ether | 13 | <2500 | <5000 | <5000 | <300 | <2500 | <5000 | <5000 | <500 | <5000 | <5000 | <2500 | <300 | <0.5 | <2500 | <2500 | <2500 | <250 | <2500 | <5000 | <100 |
| Naphthalene | | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 | <0.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 |
| n-Propylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Toluene | 150 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 2.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| 1,2,4-Trimethylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| 1,3,5-Trimethylbenzene | | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Xylenes, total | 1750 | <1000 | <2000 | <2000 | <500 | <1000 | <2000 | <2000 | <1000 | <2000 | <2000 | <1000 | <500 | 1.3 | <1000 | <1000 | <1000 | <500 | <1000 | <2000 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 5.65 | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Bromoform | 80 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 | 6.1 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 |
| Carbon Tetrachloride | 0.5 | 1510 | 1590 | 1000 | 1000 | 1450 | <1000 | 1570 | 1500 | 1240 | 1130 | <500 | 580 | 570 | 874 | 1020 | 884 | 710 | 929 | <1000 | 880 |
| Chloroform | 80 | <1500 | <3000 | <3000 | <300 | <1500 | <3000 | <3000 | <500 | <3000 | <3000 | <1500 | <300 | 26 | <1500 | <1500 | <1500 | <250 | <1500 | <3000 | <100 |
| 1,1-Dichloroethane | 5 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 19 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| 1,2-Dichloroethane | 0.5 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 | 3.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 |
| 1,1-Dichloroethene | 6 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 80 | <500 | <500 | <500 | <250 | <500 | <1000 | 130 |
| cis-1,2-Dichloroethene | 6 | <500 | <1000 | <1000 | 560 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 300 | <500 | <500 | <500 | 260 | <500 | <1000 | 330 |
| trans-1,2-Dichloroethene | 10 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 7.9 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Methylene Chloride | 5 | <500 | <1000 | <1000 | 990 | <500 | <1000 | <1000 | <1000 | <1000 | <1000 | <500 | <500 | 4.4 | <500 | <500 | <500 | <500 | <500 | <1000 | <200 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 | 64 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | 52 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Tetrachloroethene | 5 | 37500 | 35300 | 34100 | 36000 | 48000 | 19800 | 46600 | 45000 | 22500 | 33700 | 14900 | 15000 | 11000 | 23000 | 25400 | 23900 | 24000 | 28400 | 22500 | 22000 |
| 1,1,1-Trichloroethane | 200 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 2.3 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| 1,1,2-Trichloroethane | 5 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 5.3 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Trichloroethene | 5 | 22700 | 21100 | 18300 | 22000 | 24300 | 13700 | 24200 | 22000 | 13000 | 19400 | 10700 | 10000 | 7000 | 12000 | 13600 | 12400 | 12000 | 13900 | 11500 | 13000 |
| Freon-113 | 1200 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Freon-123A | | <500 | <1000 | <1000 | | <500 | <1000 | <1000 | | <1000 | <1000 | <500 | | | <500 | <500 | <500 | | <500 | <1000 | |
| Vinyl Chloride | 0.5 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 | 21 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 |
| Total Halogenated Hydrocarbons | | 61,710 | 57,990 | 53,400 | 60,550 | 73,750 | 33,500 | 72,370 | 68,500 | 36,740 | 54,230 | 25,600 | 25,580 | 19,110 | 35,874 | 40,020 | 37,184 | 36,970 | 43,229 | 34,000 | 36,392 |
| Total Concentration of VOCs | | 61,710 | 57,990 | 53,400 | 60,550 | 73,750 | 33,500 | 72,370 | 68,500 | 36,740 | 54,230 | 25,600 | 25,580 | 19,115 | 35,874 | 40,020 | 37,184 | 36,970 | 43,229 | 34,000 | 36,392 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) Aug-05 | (D)* | Oct-05 | (D)* | Jan-06 | Feb-06 | (D)* | Mar-06* | Apr-06 | May-06 | ( D)* | Jun-06 | Jul-06 | Aug-06* | Oct-06 | (D)* | Nov-06 | Dec-06* | Jan-07 | Feb-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| n-Butylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| sec-Butylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| ter-Butylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| 1,4-Dichlorobenzene | 5 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| Ethylbenzene | 300 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| Isopropylbenzene | | <1000 | <250 | <2000 | <25 | <100 | <1000 | | | <200 | <1000 | | <1000 | <100 | | <200 | | <1000 | | <100 | <100 |
| p-Isopropyltoluene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <2500 | <250 | <5000 | <25 | <250 | <250 | | | <500 | <250 | | <250 | <250 | | <500 | | <250 | | <250 | <250 |
| Naphthalene | | <1000 | <250 | <2000 | <25 | <100 | <1000 | | | <200 | <1000 | | <1000 | <100 | | <200 | | <1000 | | <100 | <100 |
| n-Propylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| Toluene | 150 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| 1,2,4-Trimethylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| 1,3,5-Trimethylbenzene | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| Xylenes, total | 1750 | <1000 | <500 | <2000 | <50 | <100 | <1000 | 130 | <100 | <200 | <1000 | <100 | <1000 | <100 | <50 | <200 | <100 | <1000 | <1 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | 130 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| Bromoform | 80 | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 | <100 | <25 | <200 | <50 | <1000 | 3 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | 777 | 750 | <1000 | 380 | 383 | <500 | 350 | 660 | 489 | <500 | 310 | <500 | 242 | 270 | 354 | 360 | <500 | 240 | 278 | 216 |
| Chloroform | 80 | <1500 | <250 | <3000 | <25 | <150 | <1500 | <50 | <50 | <300 | <1500 | <50 | <1500 | <150 | <25 | <300 | <150 | <1500 | 16 | <150 | <150 |
| 1,1-Dichloroethane | 5 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | 8.5 | <50 | <50 |
| 1,2-Dichloroethane | 0.5 | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 | <100 | <25 | <200 | <50 | <1000 | 1.7 | <100 | <100 |
| 1,1-Dichloroethene | 6 | <500 | <250 | <1000 | 60 | <50 | <500 | 70 | 96 | <100 | <500 | 57 | <500 | <50 | 42 | <100 | 57 | <500 | 66 | <50 | <50 |
| cis-1,2-Dichloroethene | 6 | <500 | 340 | <1000 | 160 | 225 | <500 | 270 | 320 | 310 | <500 | 220 | <500 | 161 | 130 | 192 | 190 | <500 | 130 | 170 | 217 |
| trans-1,2-Dichloroethene | 10 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| Methylene Chloride | 5 | <500 | <500 | <1000 | <50 | <50 | <500 | <100 | <100 | <100 | <500 | <100 | <500 | <50 | <50 | <100 | <100 | <500 | 1.8 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 | <100 | <25 | <200 | <50 | <1000 | 24 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| Tetrachloroethene | 5 | 22300 | 26000 | 22000 | 14000 | 17000 | 12200 | 11000 | 22000 | 10700 | 9310 | 8200 | 5660 | 3420 | 8100 | 10200 | 11000 | 5820 | 11000 | 7760 | 8120 |
| 1,1,1-Trichloroethane | 200 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | 2.7 | <50 | <50 |
| Trichloroethene | 5 | 10500 | 13000 | 12200 | 8700 | 9230 | 7270 | 6600 | 12000 | 8780 | 6200 | 5000 | 4130 | 3930 | 4700 | 5640 | 5500 | 4000 | 5000 | 4140 | 6410 |
| Freon-113 | 1200 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 |
| Freon-123A | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 | <50 | | <100 | | <500 | | <50 | <50 |
| Vinyl Chloride | 0.5 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 | <50 | <25 | <100 | <50 | <500 | 9.2 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 33,577 | 40,090 | 34,200 | 23,300 | 26,838 | 19,470 | 18,290 | 35,076 | 20,279 | 15,510 | 13,787 | 9,790 | 7,753 | 13,242 | 16,386 | 17,107 | 9,820 | 16,503 | 12,348 | 14,963 |
| Total Concentration of VOCs | | 33,577 | 40,090 | 34,200 | 23,300 | 26,838 | 19,470 | 18,420 | 35,076 | 20,279 | 15,510 | 13,787 | 9,790 | 7,753 | 13,242 | 16,386 | 17,107 | 9,820 | 16,505≈ | 12,348 | 14,963 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | (D)* | Oct-07 | Nov-07 | (D)* | Dec-07 | Jan-08 | Feb-08 | (D)* | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| n-Butylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| sec-Butylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| ter-Butylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| 1,4-Dichlorobenzene | 5 | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| Ethylbenzene | 300 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| Isopropylbenzene | | | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | | <100 | <100 | <100 | | <100 | <100 | <100 | <100 | <100 |
| p-Isopropyltoluene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | | <250 | <250 | <250 | <250 | <250 | <250 | | <250 | <250 | | <250 | <250 | <250 | | | | | | |
| Naphthalene | | | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | | <100 | <100 | <100 | | <100 | <100 | <100 | <100 | <100 |
| n-Propylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| Toluene | 150 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| 1,2,4-Trimethylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| 1,3,5-Trimethylbenzene | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <50 |
| Xylenes, total | 1750 | <50 | <100 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <1 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| Bromoform | 80 | <25 | <100 | <100 | <100 | <100 | <100 | <100 | 2.5 | <100 | <100 | 4.2 | <100 | <100 | <100 | 1.4 | <100 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | 330 | 347 | 379 | 330 | 395 | 284 | 251 | 280 | 332 | 221 | 270 | 245 | 274 | 236 | 210 | 338 | 204 | 261 | 217 | <50 |
| Chloroform | 80 | <25 | <150 | <150 | <150 | <150 | <150 | <150 | 10 | <150 | <150 | 8.8 | <150 | <150 | <150 | 8.0 | <150 | <150 | <150 | <150 | <150 |
| 1,1-Dichloroethane | 5 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | 5.0 | <50 | <50 | 4.7 | <50 | <50 | <50 | 4.1 | <50 | <50 | <50 | <50 | <50 |
| 1,2-Dichloroethane | 0.5 | <25 | <100 | <100 | <100 | <100 | <100 | <100 | 1.7 | <100 | <100 | 1.4 | <100 | <100 | <100 | 1.1 | <100 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 58 | <50 | <50 | <50 | <50 | <50 | <50 | 43 | <50 | <50 | 41 | <50 | <50 | <50 | 36 | <50 | <50 | <50 | <50 | <50 |
| cis-1,2-Dichloroethene | 6 | 170 | 209 | 206 | 162 | 198 | 163 | 130 | 140 | 125 | 99.9 | 110 | 109 | 104 | 78 | 90 | 98.6 | 86.4 | 86.5 | 77.8 | <50 |
| trans-1,2-Dichloroethene | 10 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| Methylene Chloride | 5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <1 | <50 | <50 | <1 | <50 | <50 | <50 | <1 | <50 | <50 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <25 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| Tetrachloroethene | 5 | 7600 | 10400 | 11400 | 8770 | 9560 | 7540 | 6850 | 6600 | 8180 | 5320 | 6300 | 5890 | 6300 | 5240 | 3900 | 6480 | 4680 | 5120 | 4090 | 729 |
| 1,1,1-Trichloroethane | 200 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | 1.7 | <50 | <50 | <50 | <50 | <50 |
| Trichloroethene | 5 | 5200 | 6260 | 6760 | 5350 | 6080 | 5140 | 4580 | 4700 | 5230 | 3420 | 3700 | 4240 | 4580 | 3440 | 2700 | 4840 | 3060 | 4200 | 3270 | 617 |
| Freon-113 | 1200 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 |
| Freon-123A | | | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 | | | | | | |
| Vinyl Chloride | 0.5 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | 1.1 | <50 | <50 | 1.1 | <50 | <50 | <50 | 1.2 | <50 | <50 | <50 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 13,358 | 17,216 | 18,745 | 14,612 | 16,233 | 13,127 | 11,811 | 11,783 | 13,867 | 9,061 | 10,441 | 10,484 | 11,258 | 8,994 | 6,954 | 11,757 | 8,030 | 9,668 | 7,655 | 1,346 |
| Total Concentration of VOCs | | 13,358 | 17,216 | 18,745 | 14,612 | 16,233 | 13,127 | 11,811 | 11,783 | 13,867 | 9,061 | 10,441 | 10,484 | 11,258 | 8,994 | 6,954 | 11,757 | 8,030 | 9,668 | 7,655 | 1,346 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) Aug-08* | (D)* | Sep-08 | Oct-08 | (D)* | Nov-08 | Jan-09 | Feb-09 | Mar-09 | (D)* | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | (D)* | Sep-09 | Oct-09 | Nov-09 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| n-Butylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| sec-Butylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| ter-Butylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| 1,4-Dichlorobenzene | 5 | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| Isopropylbenzene | | | | <100 | <100 | | <20 | <100 | <2 | <100 | | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | |
| p-Isopropyltoluene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | | <100 | <100 | | <20 | <100 | <2 | <100 | | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | |
| n-Propylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| Toluene | 150 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| 1,2,4-Trimethylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| 1,3,5-Trimethylbenzene | | | | <50 | <50 | | <10 | <50 | <1 | <50 | | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | |
| Xylenes, total | 1750 | <1 | <1 | <100 | <100 | <1 | <20 | <100 | <2 | <100 | <1 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| Bromoform | 80 | 1.4 | 1.4 | <100 | <100 | 0.68 | <200 | <100 | <2 | <100 | 3.6 | <100 | <100 | <100 | <100 | <100 | 1.9 | <100 | <100 | <100 | <5 |
| Carbon Tetrachloride | 0.5 | 200 | 210 | 112 | 175 | 160 | 157 | 121 | 26.1 | <50 | <0.5 | 160 | 181 | 231 | 155 | 203 | 100 | 186 | 228 | 185 | 160 |
| Chloroform | 80 | 6.1 | 6.1 | <150 | <150 | 6.5 | <30 | <150 | <3 | <150 | 1.4 | <150 | <150 | <150 | <150 | <150 | 7.2 | <150 | <150 | <150 | 5.7 |
| 1,1-Dichloroethane | 5 | 2.6 | 2.7 | <50 | <50 | 2.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | 3.0 | <50 | <50 | <50 | <5 |
| 1,2-Dichloroethane | 0.5 | 0.87 | 0.97 | <100 | <100 | <0.5 | <20 | <100 | <2 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | 0.85 | <100 | <100 | <100 | <5 |
| 1,1-Dichloroethene | 6 | 24 | 23 | <50 | <50 | 21 | 18.9 | <50 | 6.3 | <50 | 2.0 | <50 | <50 | <50 | <50 | <50 | 24 | <50 | <50 | <50 | 19 |
| cis-1,2-Dichloroethene | 6 | 73 | 72 | <50 | <50 | 65 | 77.1 | <50 | 27.2 | <50 | 11 | <50 | 64.3 | 56.4 | <50 | 66.5 | 68 | 58.6 | <50 | 54.9 | 51 |
| trans-1,2-Dichloroethene | 10 | 0.67 | 0.68 | <50 | <50 | 0.71 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | 0.83 | <50 | <50 | <50 | <5 |
| Methylene Chloride | 5 | <1 | 1.1 | <50 | <50 | <1 | <10 | <50 | <1 | <50 | <1 | <50 | <50 | <50 | <50 | <50 | 1.0 | <50 | <50 | <50 | <10 |
| 1,1,1,2-Tetrachloroethane | | 8.2 | 9.2 | <100 | <100 | 6.2 | <20 | <100 | 3.8 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | 7.4 | <100 | <100 | <100 | <5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| Tetrachloroethene | 5 | 3500 | 3500 | 2170 | 2860 | 2700 | 3590 | 2280 | 1200 | 209 | 190 | 1670 | 2390 | 3630 | 1960 | 3040 | 1800 | 3240 | 3490 | 2710 | 2200 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| 1,1,2-Trichloroethane | 5 | 1.3 | 1.3 | <50 | <50 | 1.0 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | 1.1 | <50 | <50 | <50 | <5 |
| Trichloroethene | 5 | 3300 | 3300 | 2320 | 2220 | 2400 | 3540 | 2220 | 1130 | 319 | 290 | 2040 | 2840 | 3470 | 2350 | 3160 | 2300 | 3260 | 3370 | 3010 | 2700 |
| Freon-113 | 1200 | <0.5 | <0.5 | <50 | <50 | <0.5 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | <0.5 | <50 | <50 | <50 | <5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.3 | 2.3 | <50 | <50 | 1.8 | <10 | <50 | <1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <50 | 1.8 | <50 | <50 | <50 | <5 |
| Total Halogenated Hydrocarbons | | 7,120 | 7,131 | 4,602 | 5,255 | 5,365 | 7,383 | 4,621 | 2,393 | 528 | 498 | 3,870 | 5,475 | 7,387 | 4,465 | 6,470 | 4,317 | 6,745 | 7,088 | 5,960 | 5,136 |
| Total Concentration of VOCs | | 7,120 | 7,131 | 4,602 | 5,255 | 5,365 | 7,383 | 4,621 | 2,393 | 528 | 498 | 3,870 | 5,475 | 7,387 | 4,465 | 6,470 | 4,317 | 6,745 | 7,088 | 5,960 | 5,136 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-00-12 (Cont'd) Jan-10 | Feb-10 | (D)* | Mar-10 | Apr-10 | May-10 | Jun-10* | (D)* | Jul-10 | Aug-10* | Oct-10 | Nov-10 | Dec-10 | (D)* | Jan-11 | Mar-11 | (D)* | Apr-11 | Jun-11 | Aug-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| n-Butylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| sec-Butylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| ter-Butylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | | <50 | <50 | <50 | | | <50 | <0.5 | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| Ethylbenzene | 300 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Isopropylbenzene | | <20 | <20 | | <100 | <100 | <100 | | | <100 | | <100 | <100 | <100 | | <100 | <100 | | <100 | <100 | <100 |
| p-Isopropyltoluene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <20 | <20 | | <100 | <100 | <100 | | | <100 | | <100 | <100 | <100 | | <100 | <100 | | <100 | <100 | <100 |
| n-Propylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| Toluene | 150 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | | <50 | <50 | <50 | | | <50 | | <50 | <50 | <50 | | <50 | <50 | | <50 | <50 | <50 |
| Xylenes, total | 1750 | <20 | <20 | <1 | <100 | <100 | <100 | <1 | <1 | <100 | <1 | <100 | <100 | <100 | <1 | <100 | <100 | <1 | <100 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Bromoform | 80 | <200 | <200 | 1.1 | <100 | <100 | <100 | 4.5 | 4.4 | <100 | 1.2 | <100 | <100 | <100 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | 170 | 177 | 180 | 155 | 202 | 165 | 130 | 130 | 138 | 180 | 190 | 135 | 118 | 94 | 126 | 86.3 | 89 | 124 | 118 | 125 |
| Chloroform | 80 | <30 | <30 | 5.0 | <150 | <150 | <150 | 4.8 | 4.2 | <150 | 5.8 | <150 | <150 | <150 | 4.3 | <150 | <150 | 3.3 | <150 | <150 | <150 |
| 1,1-Dichloroethane | 5 | <10 | <10 | 1.8 | <50 | <50 | <50 | 2.0 | 1.9 | <50 | 2.2 | <50 | <50 | <50 | 1.2 | <50 | <50 | 0.78 | <50 | <50 | <50 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | 0.68 | <100 | <100 | <100 | 0.66 | 0.6 | <100 | 0.7 | <100 | <100 | <100 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 20.9 | <10 | 20 | <50 | <50 | <50 | 22 | 20 | <50 | 23 | <50 | <50 | <50 | 11 | <50 | <50 | 8.8 | <50 | <50 | <50 |
| cis-1,2-Dichloroethene | 6 | 53.1 | 60.9 | 49 | <50 | <50 | 57.6 | 51 | 48 | <50 | 57 | <50 | <50 | <50 | 35 | <50 | <50 | 21 | <50 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | 0.6 | <50 | <50 | <50 | 0.58 | 0.55 | <50 | 0.81 | <50 | <50 | <50 | 0.53 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Methylene Chloride | 5 | <10 | <10 | <1 | <50 | <50 | <50 | <1 | <1 | <50 | <1 | <50 | <50 | <50 | <1 | <50 | <50 | <1 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | 5.6 | <100 | <100 | <100 | 6.1 | 5.9 | <100 | 6.4 | <100 | <100 | <100 | 3.6 | <100 | <100 | 2.7 | <100 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Tetrachloroethene | 5 | 2,560 | 2,840 | 2800 | 2840 | 2960 | 3010 | 2300 | 2300 | 2390 | 2900 | 3190 | 2740 | 1910 | 1800 | 2360 | 1,170 | 1,200 | 2230 | 2230 | 2440 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <0.5 | <50 | <50 | <50 | 0.8 | 0.77 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Trichloroethene | 5 | 2,760 | 2,770 | 3000 | 2760 | 3060 | 2990 | 2200 | 2300 | 2610 | 3000 | 2980 | 2680 | 2130 | 2100 | 2470 | 1,260 | 1,300 | 2310 | 2280 | 2160 |
| Freon-113 | 1200 | <10 | <10 | <0.5 | <50 | <50 | <50 | <0.5 | <0.5 | <50 | <0.5 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <10 | 0.87 | <50 | <50 | <50 | 0.95 | 0.8 | <50 | 0.84 | <50 | <50 | <50 | <0.5 | <50 | <50 | <0.5 | <50 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 5,564 | 5,848 | 6,065 | 5,755 | 6,222 | 6,223 | 4,723 | 4,817 | 5,138 | 6,178 | 6,360 | 5,555 | 4,158 | 4,050 | 4,956 | 2,516 | 2,626 | 4,664 | 4,628 | 4,725 |
| Total Concentration of VOCs | | 5,564 | 5,848 | 6,065 | 5,755 | 6,222 | 6,223 | 4,723 | 4,817 | 5,138 | 6,178 | 6,360 | 5,555 | 4,158 | 4,050 | 4,956 | 2,516 | 2,626 | 4,664 | 4,628 | 4,725 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-00-12 (Cont'd) | | | | | | | | | | 58A-94-14 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | (D)* | Oct-11 | (D)* | Dec-11 | Feb-12 | (D)* | Apr-12 | Jun-12 | Aug-12 | (D)* | Dec-94 | (D)* | Feb-95* | Mar-95* | Jun-95 | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Sep-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| sec-Butylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| ter-Butylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Ethylbenzene | 300 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Isopropylbenzene | | | <200 | | <20 | <20 | | <100 | <200 | <100 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| p-Isopropyltoluene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | | <200 | | <20 | <20 | | <100 | <200 | <100 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| n-Propylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Toluene | 150 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | | <100 | | <10 | <10 | | <50 | <100 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Xylenes, total | 1750 | <1 | <200 | <1 | <20 | <20 | <1 | <100 | <200 | <100 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | 1.1 | <200 | <0.5 | <20 | <20 | 0.58 | <100 | <200 | <100 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 110 | <100 | 98 | 135 | 114 | 140 | 69.1 | 116 | 59 | 79 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 4.4 | <300 | 2.9 | <30 | <30 | 4.5 | <150 | <300 | <150 | 4.6 | <1 | 7.5 | 2.0 | 0.95 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.4 | <100 | 0.94 | <10 | <10 | 1.6 | <50 | <100 | <50 | 1.1 | <1 | 17 | 16 | 11 | 21.5 | 16.2 | 19.4 | 30.8 | 18 | 15.5 |
| 1,2-Dichloroethane | 0.5 | 0.54 | <200 | <0.5 | <20 | <20 | 0.57 | <100 | <200 | <100 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,1-Dichloroethene | 6 | 16 | <100 | 9.4 | 16.2 | 16 | 18 | <50 | <100 | <50 | 11 | 80.9 | 37 | 37 | 21 | 61.6 | 48.2 | 61.2 | 63.2 | 47.2 | 30.9 |
| cis-1,2-Dichloroethene | 6 | 38 | <100 | 24 | 42.4 | 29.9 | 40 | <50 | <100 | <50 | 22 | 48.9 | 28 | 34 | 33 | 61.5 | 48.7 | 66.2 | 92.3 | 60.4 | 54 |
| trans-1,2-Dichloroethene | 10 | 0.51 | <100 | <0.5 | <10 | <10 | 0.62 | <50 | <100 | <50 | <0.5 | <1 | <1 | 0.56 | <0.5 | 2.3 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <100 | <1 | <10 | <10 | <1 | <50 | <100 | <50 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | 4.8 | <200 | 3.1 | <20 | <20 | <0.5 | <100 | <200 | <100 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1800 | 1570 | 1200 | 2380 | 2170 | 2700 | 1590 | 2450 | 1340 | 1000 | 56.3 | 29 | 14 | 10 | 35.7 | 13 | 11.9 | 8.5 | 9.6 | 4.3 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | 0.75 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | 3.1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1900 | 1300 | 1100 | 2630 | 2300 | 2800 | 1510 | 1820 | 1160 | 980 | 66.8 | 39 | 25 | 16 | 41.6 | 24.5 | 21.9 | 21.6 | 15.7 | 16.3 |
| Freon-113 | 1200 | <0.5 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <100 | | | | | | <100 | | | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 0.58 | <100 | <0.5 | <10 | <10 | <0.5 | <50 | <100 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3,878 | 2,870 | 2,438 | 5,204 | 4,630 | 5,706 | 3,169 | 4,386 | 2,559 | 2,098 | 253 | 158 | 129 | 92 | 227 | 151 | 181 | 216 | 151 | 121 |
| Total Concentration of VOCs | | 3,878 | 2,870 | 2,438 | 5,204 | 4,630 | 5,706 | 3,169 | 4,386 | 2,559 | 2,098 | 253 | 158 | 129 | 92 | 227 | 151 | 181 | 216 | 151 | 121 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58A-94-14 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-96 | (D)* | Mar-97 | Jun-97 | Sep-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <6 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 20.2 | 17 | 19.6 | 14.4 | 19.6 | 16.2 | 25.4 | 16 | 13 | 14.1 | 15.3 | 11.8 | 16.9 | 10.8 | 16 | 14.6 | 13.7 | 8.8 | 11.4 | 11.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 66.1 | 59 | 58.3 | 23.5 | 43.5 | 32.4 | 67 | 49.1 | 40.2 | 41.1 | 50.1 | 38.4 | 47.3 | 34.5 | 60.5 | 45.3 | 46.6 | 25.3 | 31.7 | 34.8 |
| cis-1,2-Dichloroethene | 6 | 66.4 | 64 | 64.8 | 48 | 51.1 | 48.9 | 94.1 | 58.6 | 68.8 | 69.4 | 83.5 | 68.2 | 63.9 | 57.2 | 74.5 | 64.4 | 75.1 | 52.6 | 59.2 | 58.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 8.6 | 10 | 5.6 | 5.2 | 10.5 | 7.3 | 7.3 | 6.4 | 4.1 | 4.1 | 3.1 | 1.7 | 4.0 | <2 | 1.5 | 2.3 | <1 | <1 | 3.1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 24.9 | 23 | 22 | 15 | 24.5 | 17.4 | 30.8 | 20.5 | 11.2 | 13.2 | 14.8 | 6.2 | 8.5 | 3.3 | 5.1 | 7.1 | 2.0 | <1 | 3.7 | 4.1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 186 | 173 | 170 | 106 | 149 | 122 | 225 | 151 | 137 | 142 | 167 | 126 | 142 | 106 | 158 | 134 | 137 | 87 | 109 | 109 |
| Total Concentration of VOCs | | 186 | 173 | 170 | 106 | 149 | 122 | 225 | 151 | 137 | 142 | 167 | 126 | 142 | 106 | 158 | 134 | 137 | 87 | 109 | 109 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | 58A-94-14 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Dec-06 | Feb-07 | Aug-07 | Feb-08 | Aug-08 | Mar-09 | Aug-09 | Mar-10 | Aug-10* | Feb-11 | Aug-11 | Feb-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 10.8 | 7.9 | 8.5 | 7.5 | 8.1 | 6.3 | 6.2 | 5.7 | 5.3 | 6.5 | 5.1 | 5.0 | 4.1 | 3.5 | 4.5 | 5.2 | 3.7 | 4.5 | 3.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 31.8 | 22.2 | 23.8 | 25.3 | 24.4 | 16.3 | 15.4 | 10.5 | 12.4 | 16.1 | 12.9 | 11.6 | 8.3 | 4.4 | 13 | 15.2 | 8.6 | 12.1 | 9.0 |
| cis-1,2-Dichloroethene | 6 | 56.5 | 40.5 | 43.3 | 41.4 | 42.4 | 30.1 | 34.8 | 26.7 | 26.6 | 29.9 | 24.4 | 22.4 | 18.3 | 16.1 | 19 | 25.5 | 16.5 | 18.7 | 15 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.1 | <1 | <1 | <1 | <1 | 1.1 | 4.4 | <1 | 0.95 | <1 | 2.1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.5 | 1.1 | <1 | 1.3 | 1.9 | 1.4 | 4.7 | 1.8 | <1 | 1.1 | <1 | 2.0 | 2.4 | <1 | 1.6 | <1 | 3.3 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | 1.7 | 2.8 | 2.0 | 1.3 | <1 | 1.1 | <1 | <1 | 1.2 | 1.8 | <1 | <1 | <1 | 1.2 | <0.5 | 1.0 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 102 | 75 | 78 | 77 | 77 | 55 | 64 | 45 | 46 | 55 | 42 | 42 | 38 | 25 | 39 | 47 | 34 | 35 | 28 |
| Total Concentration of VOCs | | 102 | 75 | 78 | 77 | 77 | 55 | 64 | 45 | 46 | 55 | 42 | 42 | 38 | 25 | 39 | 47 | 34 | 35 | 28 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-2 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-92 | Feb-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Aug-94 | Sep-94 | Dec-94* | (D)* | Feb-95* | Mar-95* | May-95* | Jun-95 | Jul-95 | Aug-95 | Sep-95 | Nov-95 | Mar-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 2.3 | <1 |
| Chloroform | 80 | 7.1 | 2.4 | 2.6 | 2.5 | 4.0 | 2.7 | 1.8 | 2.5 | 1.4 | 2.9 | 3.3 | 2.5 | 1.7 | 2.0 | 5.6 | 2.0 | 2.5 | 2.5 | 3.0 | 2.6 |
| 1,1-Dichloroethane | 5 | 10.6 | 3.0 | 4.5 | 3.3 | 5.3 | 2.7 | 1.3 | 3.7 | 1.7 | 3.6 | 3.7 | 2.3 | 1.5 | 2.1 | 5.6 | 2.3 | 3.2 | 3.6 | 4.5 | 1.6 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | 16.9 | 3.1 | 6.6 | 6.8 | 13.1 | 3.9 | 2.4 | 12.7 | 6.2 | 6.4 | 6.6 | 2.3 | 2.4 | 4.3 | 4.0 | 3.0 | 10.1 | 11.3 | 17.5 | 3.5 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <1 | <1 | 1.0 | 1.0 | <1 | <1 | <1 | 0.97 | 1.0 | 0.75 | 0.59 | 0.59 | <1 | <1 | <1 | <1 | 1.1 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 149.7 | 418.6 | 237.3 | 280 | 398.6 | 415.8 | 199 | 572.8 | 183.1 | 340 | 370 | 360 | 280 | 390 | 241 | 338 | 357 | 310 | 305 | 916 |
| 1,1,1-Trichloroethane | 200 | <5 | 7.5 | 8.2 | 4.9 | 5.1 | 8.5 | 4.1 | 5.7 | 1.7 | 4.9 | 5.1 | 6.3 | 4.8 | 5.7 | 6.2 | 5.0 | 4.5 | 3.8 | 3.8 | 10.2 |
| 1,1,2-Trichloroethane | 5 | 6.9 | 5.7 | 3.8 | 2.0 | 2.4 | 11.7 | 1.2 | 3.0 | <1 | 4.6 | 4.7 | 5.1 | 2.1 | 1.6 | <1 | 2.2 | <1 | <1 | 3.9 | 3.2 |
| Trichloroethene | 5 | 47.3 | 38.1 | 53 | 61.3 | 92.7 | 46 | 21 | 109.6 | 65.6 | 50 | 55 | 30 | 26 | 39 | 27.9 | 28.7 | 45.4 | 54.9 | 130 | 36.4 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <1 |
| Freon-123A | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 239 | 478 | 316 | 361 | 522 | 492 | 231 | 710 | 260 | 413 | 449 | 409 | 319 | 445 | 290 | 381 | 423 | 386 | 471 | 975 |
| Total Concentration of VOCs | | 239 | 478 | 316 | 361 | 522 | 492 | 231 | 710 | 260 | 413 | 449 | 409 | 319 | 445 | 290 | 381 | 423 | 386 | 471 | 975 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) (S)* | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 | Sep-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | May-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Dec-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <1 | <1 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | <50 | <5 | <25 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <1 | <1 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <2 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | 1.1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.2 | 1.6 | 2.1 | 3.2 | <10 | 3.0 | <5 | 1.8 | 5.9 | 7.1 | <10 | 2.7 | 2.7 | 1.3 | 2.9 | 2.6 | <1 | <1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.1 | 1.4 | 2.6 | 4.3 | <10 | 1.8 | <5 | 1.4 | <1 | <1 | <10 | <1 | <1 | <1 | 1.7 | 1.4 | <1 | <1 | <1 | 1.3 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <1 | <1 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.9 | 3.6 | 8.9 | 18.5 | <10 | 4.0 | <5 | 3.4 | 2.9 | 4.6 | <10 | <1 | <1 | 1.5 | 12 | 7.3 | <1 | <1 | 2.3 | 7.9 |
| cis-1,2-Dichloroethene | 6 | 1.4 | 1.2 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | 1.6 | 2.1 | 2.7 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | 1.4 | <1 | <1 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 980 | 638 | 560 | 520 | 330 | 514 | 332 | 380 | 121 | 121 | 137 | 132 | 147 | 125 | 117 | 121 | 88.2 | 122 | 117.5 | 145.2 |
| 1,1,1-Trichloroethane | 200 | 8.8 | 7.6 | 3.9 | 3.2 | <10 | 3.6 | <5 | 2.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 2.3 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | 2.7 | 2.1 | 1.6 | 1.6 | <10 | 1.1 | <5 | 1.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 |
| Trichloroethene | 5 | 33 | 27.3 | 72.7 | 95.5 | 53.1 | 55.4 | 52.4 | 36.8 | 41.4 | 34.5 | 30.6 | 21.5 | 17.7 | 18.2 | 67.1 | 51.4 | 4.3 | 6.6 | 23.9 | 46.2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,032 | 683 | 652 | 647 | 383 | 583 | 384 | 427 | 171 | 167 | 168 | 156 | 167 | 146 | 201 | 185 | 98 | 131 | 144 | 201 |
| Total Concentration of VOCs | | 1,032 | 683 | 652 | 647 | 383 | 583 | 384 | 427 | 171 | 167 | 168 | 156 | 167 | 146 | 201 | 185 | 98 | 131 | 144 | 201 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-01 | May-01 | Sep-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Feb-03 | Jul-03* | Aug-03* | Sep-03 | Dec-03* | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Oct-05 | Feb-06 | Mar-06* | May-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.61 | 0.58 | <3 | <0.5 | <3 | <3 | <3 | 5.8 | <3 | <3 | 2.1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 2.4 | 2.1 | 4.2 | 6.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | 1.0 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 77.2 | 72.5 | 135.1 | 99.7 | 48.4 | 67.6 | 43.1 | 64.6 | 86 | 72 | 92 | 33 | 32.7 | 11.7 | 32.9 | 21.8 | 48.5 | 59.9 | 30 | 14.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.52 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 4.9 | 4.1 | 25.1 | 27.4 | 2.4 | 3.6 | 7.2 | 3.2 | 4.5 | 3.6 | <1 | 1.2 | 2.3 | <1 | <1 | 2.9 | 4.0 | 4.6 | 2.2 | 1.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 85 | 79 | 166 | 133 | 51 | 71 | 50 | 69 | 92 | 76 | 92 | 34 | 35 | 12 | 33 | 31 | 53 | 65 | 34 | 15 |
| Total Concentration of VOCs | | 85 | 79 | 166 | 133 | 51 | 71 | 50 | 69 | 92 | 76 | 92 | 34 | 35 | 12 | 33 | 31 | 53 | 65 | 34 | 15 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-06 | Oct-06 | Dec-06 | Mar-07 | May-07 | Aug-07 | Oct-07 | Jan-08 | Mar-08 | May-08 | Jul-08 | Sep-08 | Nov-08 | Jan-09 | Mar-09 | May-09 | Jul-09 | Sep-09 | Nov-09 | Feb-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 25.3 | 60.6 | 53.3 | 44.4 | 5.4 | 29.6 | 40.4 | 9.1 | 3.0 | 2.5 | 3.9 | 7.4 | 17.6 | 25.5 | 20.4 | 17.9 | 14.9 | 13.8 | 12.8 | 2.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.8 | 4.0 | 3.9 | 3.1 | <1 | 1.9 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | 1.5 | 1.2 | 1.2 | 1.2 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27 | 65 | 57 | 48 | 5.4 | 32 | 43 | 9.1 | 3.0 | 2.5 | 3.9 | 7.4 | 18 | 28 | 22 | 19 | 16 | 15 | 13 | 2.4 |
| Total Concentration of VOCs | | 27 | 65 | 57 | 48 | 5.4 | 32 | 43 | 9.1 | 3.0 | 2.5 | 3.9 | 7.4 | 18 | 28 | 22 | 19 | 16 | 15 | 13 | 2.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW90-2 (Cont'd) | | | | | | | | | | | | | | MW91-8 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-10 | Jul-10 | Oct-10 | Jan-11^ | Feb-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Dec-92 | Feb-93 | Apr-93 | May-93 | Aug-93 | Nov-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 1 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 16.8 | 22.8 | 7.7 | 15.5 | 18.5 | 65 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 18.9 | 19 | 17.7 | 25.1 | 25.9 | 42.1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | 2.2 | <1 | 4.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 15.3 | 1.6 | 1.9 | 5.7 | 4.4 | 21.8 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.1 | 1.4 | 1.6 | 2.0 | 5.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 12.8 | 9.9 | 8.9 | 1.3 | 1.7 | 5.8 | 1.8 | 4.8 | 1.4 | <1 | 3.8 | 2.6 | <1 | <1 | 38.9 | 25.4 | 39 | 47.2 | 52.3 | 340.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | 1.4 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 35.6 | 23.8 | 27.5 | 38.4 | 39.9 | 139.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.5 | 4.1 | 6.4 | 7.7 | 4.3 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 13 | 9.9 | 11 | 1.3 | 1.7 | 5.8 | 1.8 | 4.8 | 1.4 | | 3.8 | 2.6 | | | 129 | 98 | 102 | 143 | 147 | 620 |
| Total Concentration of VOCs | | 13 | 9.9 | 11 | 1.3 | 1.7 | 5.8 | 1.8 | 4.8 | 1.4 | | 3.8 | 2.6 | | | 129 | 99 | 102 | 143 | 147 | 620 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-94 | (D) | Jun-94 | Aug-94 | Sep-94 | Dec-94* | Feb-95* | Mar-95* | May-95* | Jul-95 | Aug-95 | Sep-95 | Nov-95 | Mar-96 | (D)* | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1.0 | <1.0 | <1.0 | <1 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | 2.5 | 2.1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.1 | 3.4 | 25 | 5.5 | 5.7 | 30 | 7.5 | 10 | 12 | 20.8 | 16.2 | 13.4 | 13.7 | 4.5 | 5.0 | 5.5 | 30.9 | 19.7 | 5.7 | 19.7 |
| Chloroform | 80 | 50.6 | 52.5 | 29.4 | 2.8 | 4.6 | 22 | 14 | 17 | 20 | 25.1 | 31.3 | 29.7 | 30.7 | 26.3 | 11 | 17.7 | 39 | 38.9 | 13.7 | 41.8 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.3 | <1 | <1 | 1.5 | <0.5 | 0.51 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 2.7 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.8 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.7 | 1.9 | 7.6 | <1 | 2.3 | 11 | 0.63 | 1.7 | 1.2 | 1.2 | 2.4 | 2.3 | 3.3 | <1 | <0.5 | <1 | 4.5 | <1 | <1 | 2.9 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 3.1 | <1 | <1 | 3.0 | 1.4 | 1.8 | 1.6 | 1.9 | 2.5 | 2.3 | 2.1 | 1.7 | 1.4 | 1.8 | 2.0 | <1 | 1.1 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1.0 | <1.0 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 20.7 | 19.9 | 113.6 | 40.1 | 40.1 | 150 | 16 | 36 | 33 | 31.7 | 46.5 | 38.3 | 47.4 | 13.7 | 13 | 38.5 | 119 | 91.4 | 130 | 85.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | 0.6 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17.8 | 18.4 | 59.4 | 25.1 | 28.9 | 79 | 17 | 23 | 24 | 16.3 | 32.1 | 28.6 | 39.6 | 13.8 | 13 | 17.6 | 62.9 | 53.9 | 28.7 | 49.1 |
| Freon-113 | 1200 | 1.3 | 1.3 | 19.2 | <1 | 6.1 | 4.5 | <0.5 | 0.7 | 0.57 | <5 | <5 | 1.1 | <1 | <1 | <0.5 | <1 | 3.2 | 1.3 | <1 | 1.7 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 98 | 100 | 259 | 74 | 88 | 302 | 57 | 91 | 92 | 97 | 131 | 116 | 137 | 60 | 43 | 81 | 262 | 210 | 179 | 204 |
| Total Concentration of VOCs | | 98 | 100 | 259 | 74 | 88 | 302 | 57 | 91 | 92 | 97 | 131 | 116 | 137 | 60 | 43 | 81 | 262 | 210 | 179 | 204 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Feb-03 | Aug-03 | Feb-04* | Jun-04 | Aug-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <1.0 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 2.9 | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 23.7 | 18.2 | 7.0 | 4.8 | 2.0 | 5.2 | 2.4 | 8.1 | 3.7 | 9.9 | 2.7 | 7.6 | 5.8 | 19.3 | <1 | 1.3 | <1 | <0.5 | <1 | 2.5 |
| Chloroform | 80 | 35.5 | 28.7 | 22 | 17.2 | 9.8 | 12.9 | 7.6 | 16 | 8.8 | 16.7 | 4.4 | 10 | 12.7 | <30 | 3.5 | 4.4 | <3 | <0.5 | 4.5 | 5.2 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | 2.0 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.1 | 2.0 | 2.0 | 1.5 | <1 | 1.4 | 1.5 | 2.0 | 1.2 | 2.1 | 1.4 | 4.0 | 2.2 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 95.9 | 76.5 | 15.6 | 21.2 | 14.1 | 27.8 | 22.2 | 43.3 | 11.6 | 51.7 | 34.6 | 110.1 | 44.4 | 147.8 | 8.4 | 9.6 | 10 | <0.5 | 4.9 | 11.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10.7 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 46.5 | 35.9 | 17.6 | 12 | 7.7 | 12.4 | 11.8 | 18.4 | 9.4 | 23 | 16.9 | 52.7 | 22.4 | 66.8 | 6.8 | 7.0 | 3.9 | <0.5 | 4.1 | 5.5 |
| Freon-113 | 1200 | 2.0 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 210 | 167 | 64 | 57 | 34 | 60 | 46 | 88 | 45 | 105 | 60 | 186 | 88 | 234 | 19 | 22 | 14 | | 14 | 25 |
| Total Concentration of VOCs | | 210 | 167 | 64 | 57 | 34 | 60 | 46 | 88 | 45 | 105 | 60 | 186 | 90 | 234 | 19 | 22 | 14 | | 14 | 25 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-05 | Apr-05 | Aug-05 | Oct-05 | Dec-05 | Feb-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Aug-06 | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | 1.9 | 1.1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80.0 | <3 | 3.4 | 4.8 | 4.6 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6.0 | <1 | <1 | <1 | 1.3 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | <1 | 3.1 | 7.4 | 4.9 | 4.1 | <1 | <1 | <1 | <1 | 2.1 | <1 | 2.0 | <1 | 1.4 | 1.3 | <1 | <0.5 | 1.5 | 1.7 | 1.3 |
| 1,1,1-Trichloroethane | 200.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 5.8 | 5.7 | 3.9 | 4.2 | <1 | <1 | <1 | <1 | 2.3 | <1 | 1.5 | <1 | 2.1 | 2.0 | <1 | <0.5 | 2.0 | 2.3 | 1.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 12 | 20 | 16 | 14 | | | | | 4.4 | | 3.5 | | 5.5 | 3.3 | | | 3.5 | 4.0 | 2.6 |
| Total Concentration of VOCs | | | 12 | 20 | 16 | 14 | | | | | 4.4 | | 3.5 | | 5.5 | 3.3 | | | 3.5 | 4.0 | 2.6 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.3 | 1.7 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.7 | 1.7 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.7 | 1.9 | <1 | 1.7 | <1 | <1 | <1 | <1 | 1.7 | 1.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.0 | 3.4 | 3.4 | | | | | | | 1.7 | 2.9 | 1.9 | | 1.7 | | | | | 1.7 | 2.9 |
| Total Concentration of VOCs | | 4.0 | 3.4 | 3.4 | | | | | | | 1.7 | 2.9 | 1.9 | | 1.7 | | | | | 1.7 | 2.9 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) Jun-09 | Jul-09 | Aug-09 | Sep-09 | Nov-09 | Dec-09 | Jan-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Mar-11 | May-11 | Aug-11 | Oct-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.2 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.2 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.4 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.4 | 2.6 | | 1.1 | | | | | | | | 2.6 | | | | 1.2 | | | | |
| Total Concentration of VOCs | | 1.4 | 2.6 | | 1.1 | | | | | | | | 2.6 | | | | 1.2 | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW91-8 (Cont'd) | | | | | MW91-9 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-11 | Feb-12* | Apr-12 | Jun-12 | Aug-12 | Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Feb-94 | Jun-94 | Aug-94 | Nov-94* | Jan-95* | Sep-95 | Mar-96 | (D)* | Aug-96 | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <2 | | <2 | <2 | <2 | <5 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 1.7 | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | 0.91 | <3 | <3 | <3 | <5 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | 2.3 | <1 | <1 | <1 | <1 | <1 | 0.65 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | 8.7 | 10.7 | 22 | 14.9 | 12 | 10 | 8.1 | 8.5 | 10 | 13 | 14.1 | 12.7 | 13 | 8.0 | 8.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | 0.66 | <1 | <1 | <1 | <5 | 2.5 | 4.9 | 3.3 | 2.4 | 2.4 | 2.6 | 2.5 | 3.0 | 2.7 | 3.2 | 2.3 | 2.5 | 1.9 | 1.9 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.6 | | | | 8.7 | 13 | 29 | 19 | 14 | 12 | 11 | 11 | 14 | 16 | 17 | 15 | 16 | 9.9 | 11 |
| Total Concentration of VOCs | | | 1.6 | | | | 8.7 | 13 | 31 | 19 | 14 | 12 | 11 | 11 | 14 | 16 | 17 | 15 | 16 | 9.9 | 11 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03 | Jul-04 | Aug-05 | Oct-05 | Nov-05 | Feb-06 | Feb-06 | Apr-06 | May-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | 1.0 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.9 | 10.2 | 7.0 | 8.4 | 7.7 | 9.3 | 8.8 | 7.3 | 10.7 | 6.2 | 8.0 | 9.1 | 7.7 | 3.5 | 6.0 | 6.5 | 16.4 | 10.5 | 4.9 | 6.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.6 | 1.9 | 1.4 | <1 | 2.4 | <1 | 2.3 | <1 | 3.2 | <1 | 2.8 | 2.2 | 2.2 | <1 | 1.7 | 2.6 | 1.6 | 1.2 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.5 | 12 | 8.4 | 8.4 | 11 | 9.3 | 11 | 7.3 | 14 | 6.2 | 11 | 11 | 9.9 | 3.5 | 7.7 | 9.1 | 18 | 12 | 4.9 | 6.9 |
| Total Concentration of VOCs | | 9.5 | 12 | 8.4 | 8.4 | 11 | 9.3 | 11 | 7.3 | 14 | 6.2 | 11 | 11 | 9.9 | 3.5 | 7.7 | 9.1 | 18 | 12 | 4.9 | 6.9 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-06 | Jul-06 | Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5.0 | 5.1 | 6.5 | 6.2 | 7.1 | 6.8 | <1 | 7.4 | 5.4 | 5.6 | 5.3 | 5.4 | 5.5 | 4.8 | 6.0 | 5.8 | 6.2 | 6.6 | 5.2 | 5.0 | 4.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.1 | 1.3 | 1.4 | 1.7 | 1.8 | <1 | 2.3 | <1 | 1.2 | <1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.8 | 2.0 | 2.2 | 1.7 | 1.5 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.2 | 7.8 | 7.6 | 8.8 | 8.6 | | 9.7 | 5.4 | 6.8 | 5.3 | 6.6 | 6.8 | 6.2 | 7.5 | 7.6 | 8.2 | 8.8 | 6.9 | 6.5 | 6.0 |
| Total Concentration of VOCs | | 6.2 | 7.8 | 7.6 | 8.8 | 8.6 | | 9.7 | 5.4 | 6.8 | 5.3 | 6.6 | 6.8 | 6.2 | 7.5 | 7.6 | 8.2 | 8.8 | 6.9 | 6.5 | 6.0 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-9 (Cont'd) Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.6 | 4.0 | 5.2 | 4.0 | 4.8 | 5.2 | 5.3 | 5.1 | 4.7 | 4.5 | 6.8 | 4.9 | 6.5 | 4.2 | 3.8 | 4.2 | 4.7 | 4.2 | 4.7 | 5.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.1 | 1.3 | 1.8 | 1.5 | 1.6 | 2.3 | 2.6 | 2.1 | 2.5 | 2.0 | 3.2 | 2.1 | 2.5 | <1 | 2.1 | 2.0 | 2.3 | 2.1 | 2.6 | 3.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.7 | 5.3 | 7.0 | 5.5 | 6.4 | 7.5 | 7.9 | 7.2 | 7.2 | 6.5 | 10 | 7.0 | 9.0 | 4.2 | 5.9 | 6.2 | 7.0 | 6.3 | 7.3 | 8.3 |
| Total Concentration of VOCs | | 5.7 | 5.3 | 7.0 | 5.5 | 6.4 | 7.5 | 7.9 | 7.2 | 7.2 | 6.5 | 10 | 7.0 | 9.0 | 4.2 | 5.9 | 6.2 | 7.0 | 6.3 | 7.3 | 8.3 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MW91-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.8 | 4.2 | 4.3 | 4.3 | 5.4 | 4.0 | 4.0 | 3.8 | 3.6 | 4.6 | 4.7 | 5.5 | 3.4 | 2.8 | 3.4 | 2.9 | 3.6 | 2.9 | 3.8 | 3.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.6 | 2.2 | 2.7 | 2.4 | <1 | 1.9 | 2.1 | 2.0 | 2.2 | 2.3 | 3.0 | 2.7 | 2.1 | 1.8 | 2.1 | 1.7 | 2.0 | 1.9 | 2.2 | 2.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.4 | 6.4 | 7.0 | 6.7 | 5.4 | 5.9 | 6.1 | 5.8 | 5.8 | 6.9 | 7.7 | 8.2 | 5.5 | 4.6 | 5.5 | 4.6 | 5.6 | 4.8 | 6.0 | 5.9 |
| Total Concentration of VOCs | | 6.4 | 6.4 | 7.0 | 6.7 | 5.4 | 5.9 | 6.1 | 5.8 | 5.8 | 6.9 | 7.7 | 8.2 | 5.5 | 4.6 | 5.5 | 4.6 | 5.6 | 4.8 | 6.0 | 5.9 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| | | MW91-9 (Cont'd) | | | | | | | MWP-4 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-92 | Mar-93 | (D) | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Nov-94* | Feb-95* | Jun-95 | Sep-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 3.9 | 3.9 | 3.8 | 3.3 | 3.5 | 3.8 | 3.2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 2.9 | 2.5 | 3.1 | 2.0 | 2.0 | 2.5 | 2.2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <5 |
| Freon-123A | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.8 | 6.4 | 6.9 | 5.3 | 5.5 | 6.3 | 5.4 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 6.8 | 6.4 | 6.9 | 5.3 | 5.5 | 6.3 | 5.4 | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-4 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | Jun-98 | Aug-98 | Nov-98 | Feb-99 | Apr-99 | Aug-99 | Oct-99 | Jan-00 | May-00 | Jul-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-4 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Oct-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05 | Jul-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-4 (Cont'd) | | | | | | | | | | | | | | MWP-5 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-06 | Jul-06 | Feb-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Aug-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Nov-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | 1.9 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | 1.9 | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | 1.9 | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-5 (Cont'd) May-94* | Aug-94 | Nov-94* | Feb-95* | Jun-95* | Sep-95 | Nov-95 | Feb-96 | Feb-96 | May-96 | Jul-96 | Nov-96 | Mar-97 | May-97 | Aug-97 | Nov-97 | Jan-98 | May-98* | Aug-98 | Oct-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2.0 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | <1 | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-5 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-99 | Apr-99 | Aug-99 | Nov-99 | Jan-00 | Apr-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Jul-02 | Oct-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1000 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <600 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | 7.3 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.4 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | 7.3 | 7.3 | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | 7.3 | 7.3 | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-5 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | Apr-05 | Jul-05 | Jan-06 | Jul-06 | Mar-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Feb-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-6 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-92 | Mar-93^ | May-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Oct-94* | Dec-94* | Feb-95* | (D) ^ | May-95* | Aug-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <10 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <10 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | 68 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.5 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | <5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 72 | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | 72 | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-6 (Cont'd) May-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Jan-99* | Apr-99 | Aug-99 | Oct-99 | Jan-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-6 (Cont'd) Apr-02 | Jul-02 | Oct-02 | Jan-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Feb-08 | Jul-08 | Jan-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MWP-6 (Cont'd) | | | | | | | MWP-7 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-09 | Feb-10 | Aug-10 | Feb-11 | Aug-11 | Feb-12 | Aug-12 | Nov-92 | Mar-93 | (D) | May-93 | Aug-93 | Nov-93 | Mar-94* | May-94 | May-94* | Sep-94 | Dec-94* | Feb-95* | May-95* | Aug-95 | Nov-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <2.0 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | 0.7 | 2.1 | 0.84 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | 1.1 | 1.0 | 1.3 | 0.63 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.9 | <1 | <1 | 1.0 | 1.0 | <1 | 0.54 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 2.5 | 4.2 | 2.4 | 2.2 | 2.4 | 1.9 | 2.4 | 1.2 | 1.6 | 1.9 | 1.5 | 1.4 | <1 | 2.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 4.1 | 4.5 | 4.2 | 1.8 | 4.7 | 0.95 | <1 | <1.0 | <1 | 1.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 21.2 | 11.2 | 11.2 | 19.7 | 15.5 | 19.2 | 14 | 8.9 | 12 | 11.2 | 8.7 | 6.5 | 6.5 | 2.1 | 12.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.2 | <1 | 3.8 | 1.4 | <1 | 1.0 | <1 | <1.0 | 4.3 | 0.56 | <0.5 | <0.5 | <5 | <1 |
| Freon-123A | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | | | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 30 | 19 | 20 | 32 | 24 | 28 | 19 | 11 | 13 | 17 | 13 | 10 | 8.7 | 2.1 | 15 |
| Total Concentration of VOCs | | | | | | | | | 30 | 19 | 20 | 32 | 24 | 28 | 19 | 11 | 13 | 17 | 13 | 10 | 8.7 | 2.1 | 15 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-7 (Cont'd) Mar-96(G) | May-96 | Jul-96 | Dec-96 | Feb-97 | May-97 | Sep-97 | Dec-97 | Feb-98 | May-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.5 | 2.2 | 1.5 | 1.0 | 1.0 | <1 | <1 | 1.6 | 1.2 | 1.4 | 1.2 | 1.2 | 1.4 | <1 | 1.2 | 1.5 | 1.2 | 1.1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.0 | 4.8 | 6.3 | 8.4 | 6.2 | 5.7 | 4.8 | 7.3 | 4.7 | 4.5 | 4.5 | 6.6 | 4.7 | 2.9 | 6.6 | 7.3 | 6 | 3.5 | 4.0 | 2.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.5 | 7.0 | 7.8 | 9.4 | 7.2 | 5.7 | 4.8 | 8.9 | 5.9 | 5.9 | 5.7 | 8.9 | 6.1 | 2.9 | 7.8 | 8.8 | 7.2 | 4.6 | 4.0 | 2.2 |
| Total Concentration of VOCs | | 8.5 | 7.0 | 7.8 | 9.4 | 7.2 | 5.7 | 4.8 | 8.9 | 5.9 | 5.9 | 5.7 | 8.9 | 6.1 | 2.9 | 7.8 | 8.8 | 7.2 | 4.6 | 4.0 | 2.2 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-7 (Cont'd) Feb-01 | May-01 | Aug-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Oct-02 | Jan-03 | May-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jun-05 | Jul-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.1 | 1.2 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 2.3 | 2.7 | 2.6 | 1.7 | 1.6 | 2.4 | 2.5 | 1.3 | 2 | 1.1 | 1.9 | 1.5 | <1 | 1.2 | <1 | <1 | <1 | 1.8 | 1.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.4 | 3.4 | 3.9 | 2.6 | 1.7 | 1.6 | 2.4 | 2.5 | 3.1 | 2.0 | 1.1 | 1.9 | 1.5 | | 1.2 | | | | 1.8 | 1.5 |
| Total Concentration of VOCs | | 2.4 | 3.4 | 3.9 | 2.6 | 1.7 | 1.6 | 2.4 | 2.5 | 3.1 | 2.0 | 1.1 | 1.9 | 1.5 | | 1.2 | | | | 1.8 | 1.5 |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MWP-7 (Cont'd) | | | | | | | | | | | | | | | | MWP-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Oct-05[T] | Dec-05[T] | Feb-06 | May-06[T] | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Mar-09 | Jul-09 | Sep-10* | Mar-11 | Feb-12 | Aug-12 | Nov-92 | Mar-93 | (D) | May-93 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | 1 | 1.2 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 1 | 1.2 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | 1.0 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.8 | 1.4 | 1.6 | <1 | 1.3 | 1.1 | <1 | 1.3 | 1.1 | <1 | 1.1 | 1.5 | <1 | 1.5 | 1.3 | <5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | <5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.8 | 1.4 | 3.2 | | 1.3 | 1.1 | | 1.3 | 1.1 | | 1.1 | 1.5 | | 1.5 | 1.3 | | | 1.0 | |
| Total Concentration of VOCs | | | 1.8 | 1.4 | 3.2 | | 1.3 | 1.1 | | 1.3 | 1.1 | | 1.1 | 1.5 | | 1.5 | 1.3 | | 1.0 | 2.2 | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-8 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Nov-94* | (D)* | Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Jan-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-8 (Cont'd) May-98* | Aug-98 | Oct-98 | Jan-99 | Apr-99 | Sep-99 | Oct-99 | Jan-00 | Feb-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Aug-02 | Oct-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
# Old Town Area Groundwater Monitoring Well Results
# Volatile Organic Compounds - EPA Method 8260
## (concentrations in µg/L)

| Constituent | MCL | MWP-8 (Cont'd) Jan-03 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 10 | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 10 | | | | | | | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MWP-8 (Cont'd) | | | | | | MP7-99-1BR | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Nov-06 | Jan-07 | Mar-07 | May-07 | Aug-07 | (D)* | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <5 | <5 | <5 | <5 | <50 | | <50 | <25 | <25 | <25 | <25 | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <1 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromoform | 80 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 2.4 | <1 | <1 | 29.3 | 30 | 21.3 | 20.1 | <5 | <5 | <5 | <5 | 10.6 | 14.4 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | 1.2 | <30 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | 4.0 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | 4.2 | <10 | 5.2 | <5 | <5 | <5 | <5 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | 0.97 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | 117 | 68.6 | 20.5 | <1 | 663 | 380 | 298 | 481 | 28.2 | 36.1 | 23.4 | 77.6 | 242 | 318 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | 3.1 | 37.6 | 6.7 | <1 | 501 | 310 | 313 | 322 | 13.4 | 17.8 | 9.6 | 49.9 | 183 | 229 |
| Freon-113 | 1200 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | | | | | | | <1 | <1 | <1 | <1 | <10 | | <10 | <5 | <5 | <5 | <5 | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | | | | | | | 120 | 109 | 27 | | 1,193 | 730 | 632 | 828 | 42 | 54 | 33 | 128 | 436 | 561 |
| Total Concentration of VOCs | | | | | | | | 120 | 109 | 27 | | 1,193 | 730 | 632 | 828 | 42 | 54 | 33 | 128 | 436 | 561 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MP7-99-1BR (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromoform | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 16.6 | 41.1 | 28.9 | 40.1 | 17.7 | 8.7 | 2.2 | <5 | 14.6 | 6.9 | 21.4 | 13.7 | 37.9 | 37.2 | 37.3 | 10.8 | <5 | <5 | 7.9 | <5 |
| Chloroform | 80 | <15 | <15 | <15 | <15 | <15 | <15 | <3 | <15 | <15 | <15 | <15 | <15 | <30 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | <5 | 5.7 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | 6.1 | <5 | <5 | <5 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <10 | <10 | <10 | <10 | <2 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 348 | 699 | 772 | 776 | 716 | 235 | 81 | 34 | 252 | 69.7 | 481 | 318 | 900 | 773 | 715 | 333 | 66.8 | 52.1 | 198 | 20.4 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 288 | 698 | 573 | 687 | 381 | 144 | 35 | 14.2 | 237 | 105 | 345 | 243 | 601 | 596 | 642 | 178 | 41.4 | 31.7 | 123 | <5 |
| Freon-113 | 1200 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 653 | 1,444 | 1,374 | 1,503 | 1,115 | 388 | 118 | 48 | 504 | 182 | 847 | 575 | 1,539 | 1,406 | 1,400 | 522 | 108 | 84 | 329 | 20 |
| Total Concentration of VOCs | | 653 | 1,444 | 1,374 | 1,503 | 1,115 | 388 | 118 | 48 | 504 | 182 | 847 | 575 | 1,539 | 1,406 | 1,400 | 522 | 108 | 84 | 329 | 20 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MP7-99-1BR (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <2.5 | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 7.1 | <10 | 14.0 | 9.7 | 7.7 | 14.2 | <5 | <5 | 5.6 | <5 | 7.2 | <1 | 11.3 | 7.9 | 16.9 | <1 | <1 | <1 | 3.0 | 4.6 |
| Chloroform | 80 | <15 | <30 | <15 | <15 | <15 | <15 | <15 | <15 | <1.3 | <15 | <15 | <3 | <15 | <3 | <15 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <1.3 | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | 1.9 | <5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <25 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <1.3 | <10 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 139 | 19.8 | 391 | 238 | 176 | 368 | 62.2 | 19.7 | 110 | 21.4 | 129 | 2.8 | 215 | 228 | 380 | 16 | 13.4 | 7.3 | 70.3 | 125 |
| 1,1,1-Trichloroethane | 200 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 126 | <10 | 245 | 177 | 124 | 258 | 36.1 | 10.6 | 110 | 11.8 | 123 | <1 | 199 | 171 | 316 | 9.4 | 6.5 | 2.7 | 54.1 | 101 |
| Freon-113 | 1200 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <1.3 | <5 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 272 | 20 | 650 | 425 | 308 | 640 | 98 | 30 | 226 | 33 | 259 | 2.8 | 425 | 409 | 713 | 25 | 20 | 10 | 127 | 231 |
| Total Concentration of VOCs | | 272 | 20 | 650 | 425 | 308 | 640 | 98 | 30 | 226 | 33 | 259 | 2.8 | 425 | 409 | 713 | 25 | 20 | 10 | 127 | 231 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MP7-99-2BR | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-07 | Sep-07 | Oct-07 | (D)* | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | (D)* | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | (D)* | Nov-08 | Dec-08* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| n-Butylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| sec-Butylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| ter-Butylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| Ethylbenzene | 300 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Isopropylbenzene | | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | |
| p-Isopropyltoluene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | | | | | | | | | | | | |
| Naphthalene | | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | |
| n-Propylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| Toluene | 150 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | |
| Xylenes, total | 1750 | <20 | <20 | <20 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <20 | <20 | <1 | <20 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Bromoform | 80 | <20 | <20 | <20 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <0.5 |
| Carbon Tetrachloride | 0.5 | 26.4 | 45.9 | 41.5 | 27 | 30.2 | 37.8 | 68 | 67.1 | 92.2 | 29.1 | 26 | 23.6 | 17.4 | 13.4 | <10 | <10 | 12.2 | 12 | 17.6 | 51 |
| Chloroform | 80 | <30 | <30 | <30 | <5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <0.5 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <0.5 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <10 | <10 | <10 | <5 | 22.3 | <10 | <10 | 13.9 | <10 | <10 | 1.4 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | 3.9 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | 0.64 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Tetrachloroethene | 5 | 1050 | 2050 | 1030 | 1400 | 1460 | 1740 | 3530 | 3040 | 3570 | 874 | 740 | 792 | 574 | 517 | 357 | 414 | 432 | 300 | 845 | 980 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Trichloroethene | 5 | 164 | 388 | 362 | 270 | 232 | 236 | 376 | 482 | 806 | 205 | 180 | 162 | 126 | 88 | 67 | 56.1 | 69.2 | 75 | 111 | 180 |
| Freon-113 | 1200 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Freon-123A | | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 |
| Total Halogenated Hydrocarbons | | 1,240 | 2,484 | 1,434 | 1,697 | 1,745 | 2,014 | 3,974 | 3,603 | 4,468 | 1,108 | 948 | 978 | 717 | 618 | 424 | 470 | 513 | 387 | 974 | 1,215 |
| Total Concentration of VOCs | | 1,240 | 2,484 | 1,434 | 1,697 | 1,745 | 2,014 | 3,974 | 3,603 | 4,468 | 1,108 | 948 | 978 | 717 | 618 | 424 | 470 | 513 | 387 | 974 | 1,215 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MP7-99-2BR (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-09 | Feb-09 | Mar-09 | Apr-09 | (D)* | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10* | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | | |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | | |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| Toluene | 150 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | | |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Bromoform | 80 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | 12.1 | 45 | 18.3 | 74.2 | 83 | 13.6 | 362 | 15.1 | 127 | <10 | 16.4 | 14.1 | 14.8 | 25.6 | 16.7 | 14.5 | 63.2 | 16.8 | 14 | 16 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <15 | <30 | <30 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <10 | <10 | <10 | <10 | 1.7 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | 1.9 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <10 | <20 | <20 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 482 | 2270 | 783 | 2710 | 3000 | 515 | 16100 | 648 | 6920 | 371 | 724 | 572 | 730 | 1,030 | 958 | 786 | 2,910 | 896 | 720 | 680 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Trichloroethene | 5 | 63.4 | 470 | 107 | 497 | 460 | 68.3 | 2430 | 85 | 857 | 42.3 | 65.6 | 64.4 | 71.2 | 109 | 94.9 | 78.9 | 467 | 81.2 | 64 | 63 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <5 | <10 | <10 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 558 | 2,785 | 908 | 3,281 | 3,547 | 597 | 18,892 | 748 | 7,904 | 413 | 806 | 651 | 816 | 1,165 | 1,070 | 879 | 3,440 | 994 | 798 | 759 |
| Total Concentration of VOCs | | 558 | 2,785 | 908 | 3,281 | 3,547 | 597 | 18,892 | 748 | 7,904 | 413 | 806 | 651 | 816 | 1,165 | 1,070 | 879 | 3,440 | 994 | 798 | 759 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MP7-99-2BR (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-10 | Sep-10 | Oct-10 | Dec-10 | (D)* | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | (D)* | Aug-11 | Oct-11 | (D)* | Dec-11 | Feb-12 | Apr-12 | May-12 | (D)* | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <20 | <100 | <20 | <2 | | | <10 | <20 | <10 | <10 | | <10 | <200 | | <20 | <20 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <20 | <100 | <20 | <2 | | | <10 | <20 | <10 | <10 | | <10 | <200 | | <20 | <20 | <2 | <2 | | <2 |
| n-Propylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| Toluene | 150 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <50 | <10 | <1 | | | <5 | <10 | <5 | <5 | | <5 | <100 | | <10 | <10 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <20 | <100 | <20 | <2 | <1 | <13 | <10 | <20 | <10 | <10 | <1 | <10 | <200 | <1 | <20 | <20 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <20 | <100 | <20 | <2 | <0.5 | <13 | <10 | <20 | <10 | <10 | <0.5 | <10 | <200 | <0.5 | <20 | <20 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <50 | 31.5 | 9.0 | 11 | 14 | 10 | <10 | 10 | 11.2 | 15 | 5.3 | <100 | 6.2 | 30.4 | <10 | 5.2 | 6.0 | 8.9 | 36.4 |
| Chloroform | 80 | <30 | <150 | <30 | <3 | <0.5 | <6.3 | <15 | <30 | <15 | <15 | <0.5 | <15 | <300 | <0.5 | <30 | <30 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <100 | <20 | <2 | <0.5 | <6.3 | <10 | <20 | <10 | <10 | <0.5 | <10 | <200 | <0.5 | <20 | <20 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <10 | <50 | <10 | <1 | 0.95 | <6.3 | <5 | <10 | <5 | <5 | 0.7 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <10 | <50 | <10 | <1 | <1 | <130 | <5 | <10 | <5 | <5 | <1 | <5 | <100 | <1 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <100 | <20 | <2 | <0.5 | <6.3 | <10 | <20 | <10 | <10 | <0.5 | <10 | <200 | <0.5 | <20 | <20 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 461 | 1410 | 1630 | 584 | 530 | 890 | 672 | 557 | 658 | 798 | 720 | 432 | 984 | 280 | 1790 | 592 | 448 | 509 | 480 | 3480 |
| 1,1,1-Trichloroethane | 200 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 38.2 | 115 | 148 | 38.8 | 45 | 63 | 44.7 | 35.8 | 36.7 | 53.3 | 53 | 25.6 | <100 | 22 | 249 | 26.7 | 20.4 | 24.7 | 24 | 242 |
| Freon-113 | 1200 | <10 | <50 | <10 | <1 | <0.5 | <25 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | | | | | | | | | | | <100 | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <50 | <10 | <1 | <0.5 | <6.3 | <5 | <10 | <5 | <5 | <0.5 | <5 | <100 | <0.5 | <10 | <10 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 499 | 1,525 | 1,810 | 632 | 587 | 967 | 727 | 593 | 705 | 863 | 789 | 463 | 984 | 308 | 2,069 | 619 | 474 | 540 | 513 | 3,758 |
| Total Concentration of VOCs | | 499 | 1,525 | 1,810 | 632 | 587 | 967 | 727 | 593 | 705 | 863 | 789 | 463 | 984 | 308 | 2,069 | 619 | 474 | 540 | 513 | 3,758 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
≈:Total concentration include other chemicals, detail shown on Table 10.

< = Less than Quantitation Limit
= Compound not included in analysis
# = QA/QC problems
¹= resampling did not confirm the detection

(G) = Grab sample
(D) = Duplicate sample
(S) = Split sample
[T]Treatment system influent samples

# Table 6-2
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB5A-98-1 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02* | Feb-03 | Sep-03 | Mar-04 | Sep-04 | Mar-05 | Sep-05 | Jan-06 | Mar-06* | Apr-06 | Jun-06 | Aug-06 | Sept-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | 0.56 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 4.2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 35.3 | 58.7 | 46 | 51.1 | 53.6 | 67.9 | 36.2 | 54 | 30.5 | 37.5 | 24.8 | 32.7 | 23.6 | 20.7 | 13.1 | 17 | 18.4 | 1.6 | 4.1 | 7.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 2.3 | 1.2 | 1.2 | 1.2 | 1.9 | 1.2 | | 1.3 | <1 | <1 | <1 | 1.7 | <1 | 1.4 | 1.1 | 1.2 | <1 | <1 | <1 | 1.3 |
| Freon-113 | 1200 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 38 | 60 | 47 | 52 | 60 | 69 | 36 | 56 | 31 | 38 | 25 | 34 | 24 | 22 | 14 | 18 | 18 | 1.6 | 4.1 | 8.4 |
| Total Concentration of VOCs | | 38 | 60 | 47 | 52 | 60 | 69 | 36 | 56 | 31 | 38 | 25 | 34 | 24 | 22 | 14 | 18 | 18 | 1.6 | 4.1 | 8.4 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB5A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-06 | Dec-06* | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Oct-07 | Nov-07 | Jan-08 | Mar-08 | May-08 | Jul-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.6 | 7.6 | <1 | 1.8 | 6.4 | 9.5 | <1 | <1 | <1 | <1 | 5.5 | <1 | <1 | 4.5 | 5.6 | 4.9 | 3.0 | 4.0 | 4.0 | 6.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 3.4 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.0 | 1.0 | <1 | <1 | <1 | 1.6 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.6 | 11 | | 1.8 | 7.5 | 9.5 | | | | | 5.5 | | | 6.3 | 7.6 | 5.9 | 3.0 | 4.0 | 4.0 | 8.5 |
| Total Concentration of VOCs | | 3.6 | 11 | | 1.8 | 7.5 | 9.5 | | | | | 5.5 | | | 6.3 | 7.6 | 5.9 | 3.0 | 4.0 | 4.0 | 8.5 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB5A-98-1 (Cont'd) May-09 | Jul-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Mar-10 | May-10 | Jul-10 | Nov-10 | Jan-11^ | Mar-11 | May-11 | Jul-11 | Sep-11 | Nov-11 | Jan-12 | Mar-12 | May-12^ | Jul-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 1.5 | <1 | 3.0 | 4.4 | 3.6 | 3.8 | <1 | <1 | 3.4 | 2.6 | 2.9 | 1.9 | 1.5 | 5.6 | 8.4 | 8.5 | 7.8 | 10.5 | 0.9 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.4 | 1.5 | <1 | 1.3 | <1 | <1 | <1 | <1 | 0.8 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 1.5 | | 4.4 | 5.9 | 3.6 | 5.1 | | | 3.4 | 2.6 | 3.7 | 1.9 | 1.5 | 5.6 | 8.4 | 8.5 | 9.1 | 11 | 0.9 | |
| Total Concentration of VOCs | | 1.5 | | 4.4 | 5.9 | 3.6 | 5.1 | | | 3.4 | 2.6 | 3.7 | 1.9 | 1.5 | 5.6 | 8.4 | 8.5 | 9.1 | 11 | 0.9 | |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB7-97-1 | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-97 | Dec-97 | Mar-99 | Oct-99 | Mar-00 | Apr-01 | Oct-01 | Mar-02 | Sep-02* | Feb-03 | Sep-03 | Sep-04 | Oct-05 | Nov-05 | Feb-06 | Oct-06 | Oct-07 | Nov-08 | Nov-09 | Nov-10 | Nov-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 3.9 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 16.8 | 6.5 | 5.2 | 12.5 | <1 | 6.3 | 20.1 | <3 | 6.6 | 3.2 | 31 | 29.1 | 23.2 | 16.8 | 4.3 | 5.0 | 11.5 | 10.5 | 7.8 | 12.6 | 14.8 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | 2.8 | 1.6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12.8 | 4.7 | <1 | 7.5 | 3.5 | 3.1 | 7.6 | 1.9 | 6.7 | 2.9 | <1 | <1 | 1.3 | 3.6 | 1.3 | 7.6 | 3.4 | 1.5 | 1.1 | 2.4 | 1.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 31 | 11 | 5.2 | 20 | 6.3 | 11 | 30 | 1.9 | 13 | 6.1 | 31 | 29 | 25 | 20 | 5.6 | 13 | 15 | 12 | 8.9 | 15 | 16 |
| Total Concentration of VOCs | | 31 | 11 | 5.2 | 20 | 6.3 | 11 | 30 | 5.8 | 13 | 6.1 | 31 | 29 | 25 | 20 | 5.6 | 13 | 15 | 12 | 8.9 | 15 | 16 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB16-97-11 | | | | | | | | | | | | | | | | | SB16-98-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-97 | Dec-97 | Apr-00 | May-01 | Mar-02 | Mar-03 | Mar-04 | Mar-05 | Mar-06* | Mar-07 | Mar-08 | Apr-08 | Mar-09 | Sep-09 | Mar-10 | Mar-11 | Mar-12 | Mar-98 | Dec-98* | Mar-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | | | | | | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | 1.1 | 6.1 | 1.6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | 11.9 | 1.3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <1 | <3 | <3 | <3 | <3 | 8.2 | 17 | 11.7 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 4.0 | 2.2 | <1 | <1 | 1.4 | <1 | <1 | 0.57 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 4.5 | 20.8 | 6.1 | 20 | 16.5 | 17.2 | 6.9 | 6.4 | 2.8 | 3.3 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 31.3 | 100 | 103 | 63.7 | 32.7 | 74.2 | 48.4 | 41 | 17 | 19.7 | <1 | 3.7 | 8.4 | <1 | 4.0 | 6.9 | 8.1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 5.0 | 17.3 | 15.4 | 10.7 | 6.7 | 9.3 | 10.2 | 8.8 | 3.0 | 5.1 | <1 | <1 | 2.2 | <1 | <1 | 2.8 | <1 | 15.8 | 17 | 13.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | | | | | | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 48 | 124 | 127 | 76 | 39 | 85 | 63 | 71 | 27 | 46 | 18 | 22 | 18 | 6.4 | 6.8 | 13 | 8.1 | 24 | 34 | 26 |
| Total Concentration of VOCs | | 48 | 124 | 127 | 76 | 39 | 85 | 63 | 71 | 27 | 46 | 19≈ | 22 | 18 | 6.4 | 6.8 | 13 | 8.1 | 24 | 34 | 26 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB16-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-99 | Apr-00 | Oct-00 | May-01 | Oct-01 | Mar-02 | Sep-02* | Mar-03 | Sep-03 | Mar-04 | Sep-04 | Mar-05 | Oct-05 | Mar-06* | Sep-06 | Mar-07 | Sept-07* | Mar-08 | Apr-08 | Sep-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | 12.4 | 10.1 | 15.8 | 11.3 | 15.1 | 8.2 | 12 | 6.4 | 7.3 | 4.6 | 9.6 | 4.0 | 6.2 | 3.3 | 3.6 | 3.1 | 2.7 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | 1.1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 24.5 | 13.4 | 23.2 | 14.3 | 42.6 | 12.3 | 18 | 12.6 | 13.4 | 9.2 | 13.6 | 7.1 | 9.5 | 5.8 | 7.7 | 3.6 | 6.8 | 4.7 | 3.0 | 6.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 39 | 25 | 39 | 26 | 59 | 21 | 31 | 19 | 21 | 14 | 23 | 11 | 16 | 9.1 | 11 | 6.7 | 9.5 | 4.7 | 3.0 | 6.6 |
| Total Concentration of VOCs | | 39 | 25 | 39 | 26 | 59 | 21 | 31 | 19 | 21 | 14 | 23 | 11 | 16 | 9.1 | 11 | 6.7 | 9.5 | 4.7 | 3.0 | 6.6 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB16-98-1 (Cont'd) | | | | | | | | SB25A-96-3 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12* | Oct-96 | Dec-96 | Dec-97 | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Oct-00 | Mar-01 | Oct-01 | Mar-02 | Sep-02* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <3 | <3 | 2.0 | <3 | <3 | <1 | 0.93 | <1 | <1 | 3.8 | 24.7 | 10 | 9.5 | 9.0 | 11.4 | 4.6 | 3.8 | <3 | 4.4 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 1.8 | <1 | <1 | <1 | 3.6 | 1.5 | 4.3 | 1.3 | 10 | 6.0 | 8.2 | 6.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 3.3 | 5.9 | 3.0 | 4.0 | 1.7 | 2.6 | 1.9 | 2.0 | 45.8 | 31.5 | 2.4 | 2.9 | 11.9 | 18.4 | 14.6 | 15.7 | 34.8 | 32 | 36.5 | 29 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 3.3 | 5.9 | 3.0 | 6.0 | 1.7 | 2.6 | 1.9 | 2.9 | 48 | 32 | 6.2 | 28 | 26 | 29 | 28 | 28 | 51 | 42 | 45 | 41 |
| Total Concentration of VOCs | | 3.3 | 5.9 | 3.0 | 6.0 | 1.7 | 2.6 | 1.9 | 2.9 | 48 | 32 | 6.2 | 28 | 26 | 29 | 28 | 28 | 51 | 42 | 45 | 41 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB25A-96-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Mar-05 | Sep-05 | Nov-05 | Feb-06 | Apr-06 | Sep-06 | Oct-06 | Mar-07 | May-07 | Sept-07* | Oct-07 | Feb-08 | Apr-08 | Sep-08 | Oct-08 | Mar-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | 3.2 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.7 | 6.4 | 11.1 | 7.3 | 14.9 | 18.6 | 20.8 | 18.6 | 18.9 | 26.5 | 17.9 | 23.9 | 24.6 | 28 | 23.3 | 24.7 | 23.6 | 30.2 | 29.5 | 21.2 |
| cis-1,2-Dichloroethene | 6.0 | <1 | <1 | <1 | <1 | 1.8 | 2.1 | 2.7 | 2.8 | 3.0 | 4.2 | 3.0 | 3.7 | 4.0 | 3.7 | 3.5 | 4.0 | 4.2 | 4.6 | 4.9 | 3.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.63 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 22.3 | 28.8 | 39.4 | 28.3 | 53.5 | 61.4 | 75.4 | 78.2 | 83.5 | 94.9 | 77.7 | 94.8 | 95.6 | 98 | 91.2 | 107 | 109 | 129 | 123 | 90 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27 | 38 | 51 | 36 | 70 | 82 | 99 | 100 | 105 | 126 | 99 | 122 | 124 | 131 | 118 | 136 | 137 | 164 | 157 | 115 |
| Total Concentration of VOCs | | 27 | 38 | 51 | 36 | 70 | 82 | 99 | 100 | 105 | 126 | 99 | 122 | 124 | 131 | 118 | 136 | 137 | 164 | 157 | 115 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB25A-96-3 (Cont'd) | | | | | | | | | | | | | SB27-96-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-09 | Sep-09 | Nov-09 | Mar-10 | May-10 | Jul-10(G) | Jul-10(G) | Sep-10* | Nov-10 | Jun-11 | Aug-11 | Dec-11 | May-12^ | Aug-96 | Nov-96 | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 3.2 | <1 | <1 | 2.1 | 1.5 | 3.4 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | 10.9 | 1.1 | 1.3 | 6.5 | 7.2 | 8.6 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 27.6 | 29.6 | 28.9 | 16.8 | 36.2 | 26.1 | 26.5 | 37 | 37.4 | 23.8 | 28.5 | 26.6 | 18 | 1.7 | 1.4 | <1 | <1 | 1.2 | <1 | 1.4 |
| cis-1,2-Dichloroethene | 6 | 4.1 | 5.5 | 5.5 | 3.3 | 5.3 | 4.7 | 4.9 | 6.0 | 6.1 | 4.8 | 4.9 | 5.3 | 4.7 | 8.9 | 12.4 | 53.3 | 5.7 | 5.6 | 3.0 | 51.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 37.1 | 19.3 | 14.5 | 16.3 | 23.8 | 14.7 | 13.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.9 | 5.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 108 | 117 | 115 | 74.9 | 112 | 132 | 133 | 130 | 127 | 114 | 126 | 112 | 120 | 33.4 | 37.1 | 32.6 | 11.3 | 27.6 | 9.5 | 21.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-123A | | | | | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | 7.7 |
| Total Halogenated Hydrocarbons | | 140 | 152 | 149 | 95 | 154 | 163 | 164 | 175 | 172 | 143 | 159 | 144 | 143 | 95 | 73 | 102 | 42 | 67 | 44 | 101 |
| Total Concentration of VOCs | | 140 | 152 | 149 | 95 | 154 | 163 | 164 | 175 | 172 | 143 | 159 | 144 | 143 | 95 | 73 | 102 | 42 | 67 | 44 | 101 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB27-96-1 (Cont'd) Oct-01 | Mar-02 | Dec-05 | Feb-06 | Mar-06 | Apr-06 | Apr-06 | May-06 | Jun-06 | Aug-06 | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | 5.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.96 | <3 | <3 | 1.4 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 15.2 | 24.2 | 2.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 | <1 | <1 | 0.53 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 34.6 | 46.7 | 2.6 | 3.2 | 2.2 | 1.7 | 1.5 | <1 | 1.3 | <1 | <1 | <1 | 1.2 | <1 | <1 | 0.88 | 1.4 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 49 | 32.1 | 3.9 | 3.9 | 3.2 | 1.9 | 1.7 | 1.8 | 2.1 | <1 | 1.8 | 1.5 | 2.2 | <1 | 1.3 | 1.4 | 1.9 | 1.6 | <1 | 1.4 |
| Freon-113 | 1200 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 9.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 109 | 110 | 9.2 | 7.1 | 5.4 | 3.6 | 3.2 | 1.8 | 3.4 | | 1.8 | 1.5 | 5.1 | | 1.3 | 4.2 | 3.3 | 1.6 | | 1.4 |
| Total Concentration of VOCs | | 109 | 110 | 9.2 | 7.1 | 5.4 | 3.6 | 3.2 | 1.8 | 3.4 | | 1.8 | 1.5 | 5.1 | | 1.3 | 4.2 | 3.3 | 1.6 | | 1.4 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB27-96-1 (Cont'd) Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.66 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | 1.4 | 1.0 | <1 | 1.1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | 1.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.2 | 1.1 | <1 | 1.4 | 1.0 | 1.6 | <1 | 1.6 | <1 | 1.9 | 1.2 | 1.5 | 1.7 | 1.5 | 0.83 | <1 | <1 | 1.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 2.6 | 2.1 | | 2.5 | 1.0 | 2.6 | | 1.6 | | 1.9 | 1.2 | 1.5 | 1.7 | 1.5 | 2.6 | | | 2.5 |
| Total Concentration of VOCs | | | | 2.6 | 2.1 | | 2.5 | 1.0 | 2.6 | | 1.6 | | 1.9 | 1.2 | 1.5 | 1.7 | 1.5 | 2.6 | | | 2.5 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB27-96-1 (Cont'd) Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Mar-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Mar-11 | Apr-11 | Jun-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | 1.2 | 1.3 | 1.6 | 1.1 | <1 | <1 | 1.1 | <1 | <1 | 1.2 | 1.5 | <1 | <1 | <1 | <1 | 0.8 | <1 | 1.0 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 1.8 | 2.0 | 1.6 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | 0.9 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.1 | 3.0 | 3.3 | 3.2 | 1.1 | 1.0 | 0.0 | 1.1 | | | 1.2 | 2.7 | | | | | 2.8 | | 1.0 | |
| Total Concentration of VOCs | | 4.1 | 3.0 | 3.3 | 3.2 | 1.1 | 1.0 | 1.6≈ | 1.1 | | | 1.2 | 2.7 | | | | | 2.8 | | 1.0 | |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB27-96-1 (Cont'd) | | | | | | | SB44-98-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 | Oct-02* | Feb-03 | Sep-03 | Mar-04 | Sep-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | 1.4 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | 2.9 | <1 | 1.6 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.0 | 2.0 | 1.4 | 2.7 | 1.0 | 3.5 | <1 | 2.6 | <1 | <1 | <1 | 1.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.7 | 4.2 | 7.0 | 3.0 | 9.6 | 3.8 | 18.2 | 1.9 | 16 | 2.8 | 19.7 | 2.7 | 15.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 8.7 | 5.2 | 10 | 4.4 | 12 | 4.8 | 25 | 1.9 | 20 | 2.8 | 20 | 2.7 | 17 |
| Total Concentration of VOCs | | | | | | | | | 8.7 | 5.2 | 10 | 4.4 | 12 | 4.8 | 25 | 1.9 | 20 | 2.8 | 20 | 2.7 | 17 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB44-98-1 (Cont'd) | | | | | | | | | | | | | | | SB53-96-3 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07 | Sept-07* | Mar-08 | Sep-08 | Mar-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Jun-96 | Jun-96 | Aug-96 | Nov-96 | Apr-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <2 | <50 | <1 | <100 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <50 | <1 | <100 | <2 | <200 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | <5 | | <5 | | | | | | | | | | | | | <500 |
| Naphthalene | | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <50 | <1 | <100 | <2 | <200 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <100 | <2 | <50 | <1 | <100 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <100 | <2 | <100 | <2 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | 15 | <50 | 37.9 | <100 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <50 | 6.6 | <50 | 6.2 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | 4.4 | <50 | 4.7 | <100 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <100 | <2 | <100 | <2 | <200 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | 32.7 | <50 | 51.5 | <100 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 130 | 115 | 98 | 124 | 111 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <50 | 6.7 | <100 | <2 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <100 | <2 | <50 | <1 | <100 |
| Tetrachloroethene | 5 | <1 | <1 | 0.69 | <1 | <1 | 0.56 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 3290 | 3780 | 2230 | 5130 | 1970 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | 16.5 | <50 | 20.2 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | 2.9 | <50 | 2.1 | <100 |
| Trichloroethene | 5 | 4.9 | 13.2 | 6.3 | 6.8 | 9.1 | 4.2 | 4.9 | 3.8 | 4.2 | 2.0 | 2.6 | 1.6 | 1.8 | 2.2 | 1.4 | 465 | 436 | 312 | 883 | 306 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <100 | <2 | <100 |
| Freon-123A | | <1 | <1 | | <1 | <1 | | <1 | | | | | | | | | | | | | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 |
| Total Halogenated Hydrocarbons | | 4.9 | 13 | 7.0 | 6.8 | 9.1 | 4.8 | 4.9 | 3.8 | 4.2 | 2.0 | 2.6 | 1.6 | 1.8 | 2.2 | 1.4 | 3,885 | 4,416 | 2,640 | 6,260 | 2,387 |
| Total Concentration of VOCs | | 4.9 | 13 | 7.0 | 6.8 | 9.1 | 4.8 | 4.9 | 3.8 | 4.2 | 2.0 | 2.6 | 1.6 | 1.8 | 2.2 | 1.4 | 3,885 | 4,416 | 2,640 | 6,260 | 2,387 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) Dec-98 | Mar-99 | Jun-99 | Oct-99 | Nov-99 | Mar-00 | Jun-00 | Oct-00 | Dec-00 | Mar-01 | Jun-01 | Oct-01 | (D)* | Dec-01 | Mar-02 | May-02 | Sep-02* | Nov-02 | Mar-03 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| n-Butylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| sec-Butylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| ter-Butylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Ethylbenzene | 300 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Isopropylbenzene | | <20 | <200 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 |
| p-Isopropyltoluene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Methyl tert-Butyl Ether | 13 | <50 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <500 | <10 | <500 | <5 | <30 |
| Naphthalene | | <20 | <200 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 |
| n-Propylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Toluene | 150 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| 1,2,4-Trimethylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| 1,3,5-Trimethylbenzene | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Xylenes, total | 1750 | <20 | <200 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <50 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Carbon Tetrachloride | 0.5 | <10 | <100 | 11.2 | 50 | <100 | <50 | 20.1 | 46.2 | 40 | <100 | <100 | 115.3 | 130 | <100 | <100 | <100 | 97 | <100 | 87.4 | 67 |
| Chloroform | 80 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <30 | <30 | <300 | <300 | <300 | <70 | <300 | <300 | <300 | 19 | <300 | 8.1 | <30 |
| 1,1-Dichloroethane | 5 | <10 | <100 | <10 | 14.7 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 3.9 | <30 |
| 1,2-Dichloroethane | 0.5 | <20 | <200 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 |
| 1,1-Dichloroethene | 6 | 10.4 | <100 | 24.4 | 77.8 | <100 | <50 | 28.8 | 35.7 | 35 | <100 | <100 | <100 | 81 | <100 | <100 | <100 | 98 | <100 | 58.3 | 53 |
| cis-1,2-Dichloroethene | 6 | 56.2 | 442 | 60.2 | 69 | <100 | 205 | 190 | 251.7 | 1025 | 272.1 | 429.9 | 245.5 | 280 | 135.2 | <100 | 151.1 | 910 | 116.8 | 306 | 370 |
| trans-1,2-Dichloroethene | 10 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| 1,2-Dichloropropane | 5 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 7.2 | <30 |
| Methylene Chloride | 5 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | 87.0# | <100 | <100 | <100 | <20 | <100 | <1 | <50 |
| 1,1,1,2-Tetrachloroethane | | <20 | <200 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | 15.1 | <30 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Tetrachloroethene | 5 | 1200 | 11400 | 1680 | 3830 | 1940 | 1430 | 2690 | 3895.1 | 3034.3 | 2140.7 | 7140 | 8519.1 | 11000 | 2157.5 | 3185.6 | 7969.2 | 8600 | 7421.6 | 5980 | 6000 |
| 1,1,1-Trichloroethane | 200 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | 20 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 1.7 | <30 |
| 1,1,2-Trichloroethane | 5 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Trichloroethene | 5 | 178 | 1820 | 419 | 1340 | 562 | 276 | 612 | 940.3 | 740 | 619.8 | 1685.8 | 2576.3 | 2700 | 606.6 | 969.9 | 2411.4 | 3400 | 2723.8 | 1760 | 1700 |
| Freon-113 | 1200 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 |
| Freon-123A | | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | | <100 | <100 | <100 | | <100 | <1 | |
| Vinyl Chloride | 0.5 | <10 | <100 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | 395 | 800 | 116.8# | <100 | 134.2 | 220 | <100 | 13.4 | <30 |
| Total Halogenated Hydrocarbons | | 1,445 | 13,662 | 2,195 | 5,382 | 2,502 | 1,911 | 3,541 | 5,169 | 4,894 | 3,033 | 9,256 | 11,851 | 15,078 | 3,016 | 4,156 | 10,666 | 13,344 | 10,262 | 8,241 | 8,190 |
| Total Concentration of VOCs | | 1,445 | 13,662 | 2,195 | 5,382 | 2,502 | 1,911 | 3,541 | 5,169 | 4,894 | 3,033 | 9,256 | 11,851 | 15,078 | 3,016 | 4,156 | 10,666 | 13,344 | 10,262 | 8,241 | 8,190 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) May-03 | Aug-03 | Dec-03 | Mar-04 | May-04* | Sep-04 | Nov-04 | Jan-05 | Feb-05 | Mar-05 | May-05 | Sep-05 | Nov-05 | Jan-06 | Feb-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Jul-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| n-Butylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| sec-Butylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| ter-Butylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | | <20 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <500 | <20 | <250 | <250 | <250 | <250 | <50 | <250 | <250 | <50 | <50 | <5 | | <50 | <50 | <50 | <5 |
| Naphthalene | | <200 | <200 | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | | <20 | <20 | <20 | <2 |
| n-Propylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| Toluene | 150 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <200 | <30 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | <1 | <20 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | 22.8 | <50 | <50 | 18.8 | 10.5 | 10.3 | 10 | <10 | <10 | <10 | 8.5 |
| Chloroform | 80 | <300 | <300 | <300 | <300 | <20 | <150 | <150 | <150 | <150 | <30 | <150 | <150 | <30 | <30 | <3 | 0.73 | <30 | <30 | <30 | <3 |
| 1,1-Dichloroethane | 5 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | <0.5 | <20 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <100 | <100 | <100 | <100 | 25 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | 5.4 | 5.0 | <10 | <10 | <10 | 4.1 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | <100 | <100 | 91 | <50 | <50 | 65.1 | <50 | 57 | <50 | <50 | 50 | 29.5 | 28 | 24 | 19 | <10 | 18.4 | 19.8 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <100 | 48 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | 1.2 | <20 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 4280 | 4430 | 3570 | 2510 | 1900 | 1200 | 1170 | 1990 | 1650 | 1280 | 1230 | 1520 | 1140 | 820 | 677 | 1000 | 486 | 248 | 398 | 452 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Trichloroethene | 5 | 1010 | 1420 | 816 | 561 | 530 | 261 | 293 | 487 | 443 | 381 | 370 | 449 | 395 | 243 | 199 | 220 | 136 | 59.7 | 121 | 157 |
| Freon-113 | 1200 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Freon-123A | | <100 | <100 | <100 | <100 | | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 |
| Vinyl Chloride | 0.5 | <100 | <100 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 5,290 | 5,850 | 4,386 | 3,071 | 2,594 | 1,461 | 1,463 | 2,542 | 2,093 | 1,741 | 1,600 | 1,969 | 1,604 | 1,103 | 920 | 1,261 | 641 | 308 | 537 | 641 |
| Total Concentration of VOCs | | 5,290 | 5,850 | 4,386 | 3,071 | 2,594 | 1,461 | 1,463 | 2,542 | 2,093 | 1,741 | 1,600 | 1,969 | 1,604 | 1,103 | 920 | 1,261 | 641 | 308 | 537 | 641 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) Aug-06 | Sep-06 | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | | <20 | <10 | | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | | <50 | <25 | | <5 | <5 | <50 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <20 | <20 | <20 | <20 | | <20 | <10 | | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <1 | <20 | <10 | <1 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | 3.7 | <10 | 5.9 | 4.0 | 4.1 | 3.7 | <10 | 3.0 | <10 | 4.2 | <10 | <1 | 2.4 | 1.5 | 1.8 | 1.8 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | 0.66 | <30 | <15 | <0.5 | <3 | <3 | <30 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <10 | <0.5 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | 2.2 | <10 | <5 | 2.6 | 2.1 | 1.9 | <10 | 1.8 | <10 | 2.6 | <10 | <1 | 1.6 | 1.2 | 1.3 | 1.2 |
| cis-1,2-Dichloroethene | 6 | 17.8 | 15.5 | 13.7 | 13 | 16 | 11.7 | 13.3 | 14 | 10.9 | 10.5 | 11 | 12.5 | <10 | 13 | 10.3 | 3.5 | 7.0 | 5.2 | 5.1 | 4.5 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | 0.61 | <20 | <10 | <0.5 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 397 | 360 | 285 | 247 | 240 | 223 | 362 | 240 | 253 | 214 | 203 | 207 | 84.9 | 259 | 101 | 49.4 | 151 | 119 | 117 | 108 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 140 | 125 | 94.8 | 76.4 | 91 | 81 | 117 | 84 | 87 | 71.4 | 67 | 68.5 | 16 | 84.4 | 25.8 | 12 | 48.9 | 38.2 | 37.1 | 35.5 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 555 | 501 | 394 | 336 | 354 | 316 | 498 | 345 | 357 | 302 | 281 | 293 | 101 | 363 | 137 | 65 | 211 | 165 | 162 | 151 |
| Total Concentration of VOCs | | 555 | 501 | 394 | 336 | 354 | 316 | 498 | 345 | 357 | 302 | 281 | 293 | 101 | 363 | 137 | 65 | 211 | 165 | 162 | 151 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) Apr-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | 1.7 | 1.7 | <1 | 1.6 | 1.6 | <1 | <1 | <1 | 1.8 | 1.6 | 1.7 | 1.3 | 1.4 | 1.3 | 1.8 | 1.2 | 1.7 | 1.3 | 1.3 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.5 | 4.9 | 5.0 | 4.4 | 4.5 | 3.3 | 2.8 | 2.7 | 2.0 | 4.0 | 4.6 | 3.3 | 4.9 | 4.4 | 4.0 | 4.6 | 3.5 | 4.4 | 3.9 | 3.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 5.6 | 102 | 98.1 | 76.3 | 94.5 | 90.2 | 66.8 | 58.9 | 50.4 | 110 | 108 | 86.5 | 68 | 85.9 | 69.7 | 94.6 | 62 | 77 | 67.6 | 65.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.4 | 34.6 | 36 | 27.7 | 35.4 | 31 | 22.4 | 19.3 | 15.8 | 41 | 30.5 | 30.7 | 26 | 31 | 28 | 36 | 24.4 | 29.1 | 27.4 | 28.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 12 | 145 | 141 | 108 | 136 | 126 | 92 | 81 | 68 | 158 | 145 | 122 | 100 | 123 | 103 | 137 | 91 | 112 | 100 | 99 |
| Total Concentration of VOCs | | 12 | 145 | 141 | 108 | 136 | 126 | 92 | 81 | 68 | 158 | 145 | 122 | 100 | 123 | 103 | 137 | 91 | 112 | 100 | 99 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) Nov-09 | Dec-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jun-10* | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | 1.3 | 1.2 | <1 | <1 | <1 | 1.2 | 1.2 | 1.5 | 1.2 | 1.0 | 1.1 | <1 | <1 | 0.9 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <1 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.4 | 3.1 | 2.7 | 3.5 | 2.7 | 3.8 | 4.0 | 5.7 | 4.8 | 4.3 | 3.5 | 2.8 | 2.4 | 2.8 | 2.7 | 2.8 | 2.9 | 2.8 | 2.2 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 55.5 | 56.6 | 42.9 | 53.3 | 44.5 | 66 | 63.9 | 69 | 82.2 | 69.4 | 56.5 | 43.3 | 40.4 | 45 | 38.7 | 39 | 44.9 | 40.9 | 26.1 | 45.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 23.4 | 23.7 | 18.4 | 22.2 | 19 | 26.8 | 26.2 | 29 | 32.2 | 30.1 | 23.6 | 20.6 | 18.9 | 20 | 19.4 | 19.2 | 20.3 | 19.6 | 13.4 | 20.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 84 | 85 | 64 | 79 | 66 | 98 | 95 | 106 | 122 | 105 | 85 | 67 | 62 | 69 | 61 | 61 | 68 | 63 | 42 | 68 |
| Total Concentration of VOCs | | 84 | 85 | 64 | 79 | 66 | 98 | 95 | 106 | 122 | 105 | 85 | 67 | 62 | 69 | 61 | 61 | 68 | 63 | 42 | 68 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB53-96-3 (Cont'd) | | | | | | SB58-01-02 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Aug-96 | Aug-96 | Nov-96 | Dec-98 | Jun-99 | Mar-00 | Oct-00 | Mar-01 | Oct-01 | Mar-02 | Sep-02 | Mar-03 | Sep-03 | Mar-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <10 | 7.6 | 9.8 | 9.2 | 11.5 | 9.2 | 8.0 | 7.0 | 6.5 | 8.4 | 7.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.6 | 17.9 | 18.4 | 22 | 21.3 | 29.1 | 23.6 | 22.2 | 22.0 | 17.5 | 24.3 | 20.3 |
| cis-1,2-Dichloroethene | 6 | 1.8 | 1.9 | 1.4 | 1.6 | <1 | <1 | <1 | <1 | 1.9 | <10 | 9.2 | 9.2 | 7.0 | 8.2 | 8.3 | 8.8 | 8.9 | 9.0 | 11.1 | 9.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 37.8 | 35.7 | 38.4 | 28.5 | 18.4 | 22.6 | <1 | <1 | <1 | 20.6 | 32.3 | 31.2 | 23.3 | 28.8 | 26.3 | 29.1 | 28.2 | 24 | 36.2 | 27.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17.5 | 19.2 | 18.8 | 14.2 | 10.3 | 12.7 | <1 | 1.2 | 12 | 40.3 | 48.7 | 45.1 | 44.6 | 53.6 | 50.6 | 47.6 | 43.6 | 38.4 | 46.2 | 40.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 57 | 57 | 59 | 44 | 29 | 35 | | 1.2 | 22 | 79 | 116 | 117 | 105 | 131 | 118 | 116 | 110 | 95 | 126 | 106 |
| Total Concentration of VOCs | | 57 | 57 | 59 | 44 | 29 | 35 | | 1.2 | 22 | 79 | 116 | 117 | 105 | 131 | 118 | 116 | 110 | 95 | 126 | 106 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-01-02 (Cont'd) | | | | | | | | | | | | | | | | | SB58-95-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07* | Sept-07* | Mar-08 | Sep-08 | Feb-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12 | Jun-95* | (D) | Jun-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | 0.53 | <3 | <0.5 | 0.51 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 7.7 | 6.9 | 8.0 | 7.6 | 8.5 | 8.1 | 7.8 | 5.9 | 6.7 | 5.2 | 5.3 | 4.7 | 5.8 | 5.1 | 4.5 | 3.9 | 3.8 | 1.2 | 4.7 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 22.0 | 19.9 | 22.4 | 21 | 20.3 | 20 | 21 | 17.3 | 16.8 | 12.6 | 14 | 12.5 | 16 | 13 | 11.6 | 8.5 | 8.9 | 4.7 | 7.0 | <1 |
| cis-1,2-Dichloroethene | 6 | 9.0 | 7.7 | 7.4 | 7.7 | 8.4 | 7.6 | 7.5 | 6.3 | 7.2 | 6.7 | 6.9 | 6.0 | 7.2 | 5.7 | 5.8 | 4.3 | 4.6 | 2.3 | 6.1 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | 0.65 | <1 | 0.59 | 0.59 | <1 | <1 | <1 | <1 | <1 | 0.71 | <1 | <1 | <1 | <1 | <0.5 | 4.2 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <1 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 24.7 | 30.3 | 28.7 | 37 | 29.8 | 27 | 31 | 22.3 | 21 | 16.1 | 16.8 | 16.5 | 17 | 14.1 | 12.5 | 11.8 | 10 | 5.2 | 7.2 | 2.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | 0.51 | <1 | <0.5 | 0.52 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 35.3 | 37.5 | 42.1 | 43 | 35.4 | 33 | 39 | 36 | 37.5 | 29.3 | 38.1 | 32.5 | 36 | 30.8 | 28.6 | 26.6 | 24 | 20 | 26.6 | 5.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | | | | | | | | | | | | | | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | 0.71 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 99 | 102 | 109 | 119 | 102 | 96 | 108 | 88 | 89 | 70 | 81 | 72 | 83 | 69 | 63 | 55 | 51 | 35 | 56 | 9.6 |
| Total Concentration of VOCs | | 99 | 102 | 109 | 119 | 102 | 96 | 108 | 88 | 89 | 70 | 81 | 72 | 83 | 69 | 63 | 55 | 51 | 35 | 56 | 9.6 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-95-1 (Cont'd) | | | | | | | | | | | | | | SB58-95-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-00 | Sep-01 | Sep-02 | Sep-03 | Aug-04 | Aug-05 | Sep-06 | Sept-07* | Sep-08 | Sep-08 | Sep-09 | Sep-10* | Sep-11 | Sep-12 | Jun-95 | (D)* | Sep-95 | Dec-95 | Jun-99 | Oct-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <4 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | <5 | <10 |
| Naphthalene | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <4 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <4 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 7.4 | 3.2 | 1.5 | 1.4 | <1 | <2 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <1 | 1.3 | <1 | <1 | <1 | <2 |
| 1,1-Dichloroethane | 5 | <1 | 1.2 | <1 | <1 | 1.8 | 2.6 | 1.4 | 5.6 | 9.0 | 8.5 | 10.8 | 9.4 | 6.5 | 3.2 | 14.5 | 11 | 10.8 | 10.0 | 4.0 | 4.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <4 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.5 | 2.4 | 2.5 | 2.4 | 2.4 | <1 | <1 | 43 | 41 | 44.5 | 46.5 | 12.6 | 13.6 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 6.4 | 6.2 | 6.8 | 6.4 | 3.7 | 1.3 | 10.3 | 7.8 | 9.3 | 9.0 | 6.3 | 4.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 4.1 | <0.5 | <1 | <1 | <1 | <2 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <1 | <0.5 | <1 | <1 | <2 | <4 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <2 |
| Tetrachloroethene | 5 | 2.2 | 2.2 | <1 | <1 | <1 | 1.7 | <1 | 2.3 | 13.2 | 11.7 | 11.7 | 12 | 7.2 | 2.4 | 48.4 | 37 | 38.2 | 50.4 | 29.7 | 21 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 4.1 | 3.9 | 5.7 | 3.8 | 1.8 | <1 | 4.0 | 1.4 | 1.6 | 1.7 | 1.2 | <2 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | 2.3 | <0.5 | <1 | <1 | <1 | <2 |
| Trichloroethene | 5 | 5.9 | 5.1 | 2.9 | 1.9 | <1 | 1.4 | <1 | 2.6 | 11.8 | 9.4 | 11.1 | 9.6 | 6.1 | 2.6 | 74.9 | 56 | 52.9 | 58.1 | 22.9 | 26.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <2 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | <1 | <0.5 | <1 | <1 | <1 | <2 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 2.5 | 2 | 2.8 | 3.1 | 1.4 | <1 | <1 | 4.7 | 2.7 | 3.2 | 1.8 | <2 |
| Total Halogenated Hydrocarbons | | 8.1 | 9.6 | 2.9 | 1.9 | 1.8 | 5.7 | 1.4 | 12 | 49 | 44 | 51 | 47 | 27 | 9.5 | 209 | 163 | 162 | 180 | 79 | 71 |
| Total Concentration of VOCs | | 8.1 | 9.6 | 2.9 | 1.9 | 1.8 | 5.7 | 1.4 | 12 | 49 | 44 | 51 | 47 | 27 | 9.5 | 209 | 163 | 162 | 180 | 79 | 71 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-95-2 (Cont'd) Mar-00 | Jun-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02 | Mar-03 | Sep-03 | Mar-04 | Aug-04 | Mar-05 | Aug-05 | Mar-06* | Sep-06 | Mar-07* | Sept-07* | Mar-08 | Sep-08 | Feb-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | | <5 | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | 1.2 | <1 | <1 | 1.3 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 0.7 | 1.2 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.51 | <3 | 0.55 | 0.61 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 4.5 | 4.7 | 5.1 | 8.1 | 7.1 | 8.2 | 7.3 | 8.5 | 8.4 | 7.9 | 8.6 | 8.5 | 10.1 | 8.7 | 10.4 | 7.5 | 7.9 | 8 | 9.1 | 8.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 12.2 | 15.4 | 14.7 | 21.6 | 21.7 | 23.3 | 18.1 | 14.6 | 17.3 | 14.6 | 19.9 | 21.2 | 26 | 20 | 21 | 19 | 17 | 18.7 | 19.6 | 16.2 |
| cis-1,2-Dichloroethene | 6 | 6.9 | 6.6 | 6.3 | 6.9 | 7.4 | 7.0 | 4.7 | 5.9 | 6.2 | 5.7 | 5.9 | 6.6 | 7.6 | 6.5 | 8.0 | 7.2 | 7.6 | 8.8 | 9.3 | 10.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 29.3 | 35.9 | 36.1 | 45.9 | 54.5 | 54.7 | 45.8 | 35.6 | 43.5 | 28.2 | 24 | 37.6 | 43.7 | 45 | 36.7 | 34 | 35 | 39.5 | 39.4 | 38.6 |
| 1,1,1-Trichloroethane | 200 | 1.6 | 1.9 | 1.7 | 2.4 | 2.2 | 2.4 | 2.1 | 1.6 | 1.4 | 1.2 | <1 | 1.8 | 2.7 | 2.4 | 1.7 | 1.3 | 1.5 | 1.6 | 1.7 | 2.6 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 20.4 | 27.5 | 25.5 | 32.2 | 34.6 | 36.2 | 31.5 | 24.5 | 27.7 | 27.9 | 21.8 | 29.3 | 33.8 | 29 | 28.5 | 24 | 27 | 29.6 | 30.7 | 26.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | | <1 | | |
| Vinyl Chloride | 0.5 | 2.4 | 1.9 | 1.7 | 3.3 | 2.5 | 3.0 | 1.6 | 3.1 | 2.9 | 2.2 | 1.9 | 1.8 | 2.0 | 2.0 | 2.3 | 1.6 | 1.3 | 1.8 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 79 | 94 | 91 | 125 | 130 | 136 | 111 | 94 | 107 | 88 | 82 | 107 | 126 | 114 | 109 | 96 | 99 | 108 | 110 | 103 |
| Total Concentration of VOCs | | 79 | 94 | 91 | 125 | 130 | 136 | 111 | 94 | 107 | 88 | 82 | 107 | 126 | 114 | 109 | 96 | 99 | 108 | 110 | 103 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-95-2 (Cont'd) | | | | | | | SB58-96-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12 | Jul-96 | Aug-96 | Nov-96 | Apr-98 | Mar-99 | Jun-99 | Oct-99 | Mar-00 | Jun-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | <5 | <50 | <50 | <250 | <50 | <50 | <50 | <5 | <50 | <50 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | 15.6 | <10 | <10 | <50 | <30 | <10 | <30 | <3 | <30 | <30 |
| 1,1-Dichloroethane | 5 | 8.8 | 7.6 | 8.5 | 6.8 | 6.4 | 5.4 | 4.7 | <1 | <1 | <1 | 2.3 | <10 | <10 | <50 | <10 | <10 | <10 | 2.3 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 |
| 1,1-Dichloroethene | 6.0 | 14 | 12 | 13 | 10.2 | 9.0 | 8.6 | 8.9 | <1 | <1 | <1 | 4.2 | <10 | <10 | <50 | <10 | <10 | <10 | 2.8 | <10 | <10 |
| cis-1,2-Dichloroethene | 6.0 | 9.6 | 8.6 | 8.9 | 6.8 | 6.2 | 6.0 | 5.5 | <1 | <1 | 1.3 | 131 | 98.4 | 142 | 78.5 | 105 | 94.1 | 105.3 | 187.7 | 380.7 | 119.4 |
| trans-1,2-Dichloroethene | 10.0 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | 1.3 | <10 | <10 |
| 1,2-Dichloropropane | 5.0 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Methylene Chloride | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1.0 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Tetrachloroethene | 5.0 | 31 | 30 | 29 | 22 | 22.1 | 24.5 | 20.3 | <1 | 1.0 | 2.0 | 538 | 481 | 547 | 214 | 272 | 429 | 176.6 | 343.2 | 120.2 | 114.5 |
| 1,1,1-Trichloroethane | 200.0 | 2.7 | 2.4 | 2.8 | 2.0 | 1.7 | 1.6 | 1.1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | <10 | <10 | <50 | <10 | <10 | <10 | 1.5 | <10 | <10 |
| Trichloroethene | 5 | 24.1 | 22.4 | 22 | 16.5 | 16.8 | 16.7 | 15.7 | 1.1 | 1.7 | 4.3 | 872 | 782 | 936 | 690 | 254 | 276 | 352 | 832 | 466.3 | 405.8 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Freon-123A | | | | | | | | | | | | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Vinyl Chloride | 0.5 | 1.1 | 1.1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 91 | 84 | 85 | 64 | 62 | 63 | 56 | 1.1 | 2.7 | 7.6 | 1,568 | 1,361 | 1,625 | 983 | 631 | 799 | 634 | 1,371 | 967 | 640 |
| Total Concentration of VOCs | | 91 | 84 | 85 | 64 | 62 | 63 | 56 | 1.1 | 2.7 | 7.6 | 1,568 | 1,361 | 1,625 | 983 | 631 | 799 | 634 | 1,371 | 967 | 640 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-1 (Cont'd) Sep-02 | Mar-03 | Aug-03 | Mar-04 | Aug-04 | Mar-05 | Sep-05 | Feb-06 | Mar-06* | May-06 | Jul-06 | Sep-06 | Nov-06 | Jan-07 | Mar-07* | May-07 | Jul-07 | Sep-07 | Nov-07 | Jan-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <10 | <2 | <20 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | 0.97 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.2 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.0 | 1.1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 570 | 145 | 215 | 67.6 | 78.5 | 27.7 | 32.4 | 20.3 | 9.3 | 8.4 | 11.7 | 10.1 | 8.6 | 9.4 | 5.1 | 5.4 | 6.4 | 9.1 | 4.9 | 6.7 |
| trans-1,2-Dichloroethene | 10 | 1.2 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | 1.2 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 31.4 | 154 | 290 | 95.1 | 199 | 97.3 | 106 | 65.5 | 55 | 44.4 | 36.7 | 38.3 | 53.2 | 53.6 | 39 | 29.1 | 25.3 | 24.9 | 19.7 | 22.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 336 | 388 | 738 | 157.0# | 164 | 93.3 | 83.6 | 71.8 | 43 | 35.9 | 38 | 35.5 | 46.9 | 48.4 | 30 | 24.8 | 20.9 | 28.2 | 17.1 | 22.4 |
| Freon-113 | 1200 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 942 | 689 | 1,243 | 320 | 442 | 218 | 222 | 158 | 108 | 89 | 86 | 84 | 109 | 111 | 74 | 59 | 53 | 62 | 42 | 51 |
| Total Concentration of VOCs | | 942 | 689 | 1,243 | 320 | 442 | 218 | 222 | 158 | 108 | 89 | 86 | 84 | 109 | 111 | 74 | 59 | 53 | 62 | 42 | 51 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-1 (Cont'd) Mar-08 | May-08 | Jul-08 | Sep-08 | Nov-08 | Jan-09 | Mar-09 | May-09 | Jul-09 | Sep-09 | Nov-09 | Feb-10 | Apr-10 | Jul-10 | Oct-10 | Dec-10 | Feb-11 | Apr-11 | Jun-11 | Aug-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.5 | 9.1 | 9.9 | 3.4 | 9.0 | 8.3 | 9.1 | 7.0 | 6.9 | 5.9 | 5.6 | <1 | 1.9 | 5.2 | 1.5 | 2.0 | 1.7 | 2.2 | 1.7 | 1.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 23.7 | 16.3 | 17.9 | 11 | 16.9 | 16.1 | 17.4 | 13.5 | 11.5 | 11 | 10.7 | 6.9 | 5.7 | 10.4 | 7.7 | 6.2 | 6.0 | 6.1 | 4.9 | 5.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 33.5 | 26.6 | 27.4 | 11.5 | 26 | 22.8 | 24.8 | 21.6 | 19.6 | 17.1 | 15.3 | 6 | 5.7 | 15.4 | 6.9 | 7.8 | 7.5 | 8.6 | 6.8 | 5.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 69 | 52 | 55 | 26 | 52 | 47 | 51 | 42 | 38 | 34 | 32 | 13 | 13 | 31 | 16 | 16 | 15 | 17 | 13 | 13 |
| Total Concentration of VOCs | | 69 | 52 | 55 | 26 | 52 | 47 | 51 | 42 | 38 | 34 | 32 | 13 | 13 | 31 | 16 | 16 | 15 | 17 | 13 | 13 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-1 (Cont'd) | | | | | | SB58-96-2 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Aug-96 | Nov-96 | Apr-98 | Dec-98 | Mar-99 | Jun-99 | Oct-99 | Oct-99 | Nov-99 | (D)* | Mar-00 | May-00 | Oct-00 | Dec-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <50 | <50 | <50 | <5 | <250 | <500 | <500 | <0.5 | <250 | <250 | <50 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | 33.9 | <10 | 25.6 | 20 | <50 | <100 | <100 | 19 | <50 | <50 | 32.5 | 38.3 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 1.9 | 1.5 | 14.9 | <10 | <10 | 4.2 | <50 | <100 | <100 | 5.7 | <50 | <50 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 6.3 | 8.8 | 23.2 | <10 | 15.4 | 16.1 | <50 | <100 | <100 | 21 | <50 | <50 | 18.2 | 19.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <100 | <200 | <200 | 0.78 | <100 | <100 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 10.7 | 31.2 | 111 | 31.5 | 72.5 | 71.5 | 61.2 | <100 | <100 | 73 | 83.8 | 72.4 | 72.6 | 62.4 |
| cis-1,2-Dichloroethene | 6 | 1.5 | <1 | <1 | <1 | 1.8 | <1 | 24.8 | 27.3 | 128 | 32.4 | 108 | 103 | 70.2 | <100 | <100 | 100 | 155 | 145 | 99.5 | 94 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | 1.1 | <50 | <100 | <100 | 1.9 | <50 | <50 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <100 | <200 | <200 | 4.7 | <100 | <100 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Tetrachloroethene | 5 | 5.1 | 3.5 | 3.5 | 4.8 | 4.0 | 3.2 | 525 | 320 | 3650 | 503 | 4560 | 3150 | 2570 | 2790 | 2340 | 2400 | 3440 | 3140 | 2451.1 | 3189 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | 3.7 | <50 | <50 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | 3.8 | <50 | <50 | <10 | <10 |
| Trichloroethene | 5 | 5.8 | 3.0 | 3.5 | 3.1 | 6.1 | 3.7 | 173 | 187 | 1350 | 251 | 1200 | 885 | 1020 | 1040 | 863 | 860 | 1090 | 1180 | 1180.5 | 1164 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 |
| Freon-123A | | | | | | | | | | <10 | <10 | <10 | <1 | <50 | <100 | <100 | | <50 | <50 | <10 | <10 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <50 | <100 | <100 | 0.97 | <50 | <50 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 12 | 6.5 | 7.0 | 7.9 | 12 | 6.9 | 748 | 576 | 5,311 | 818 | 5,982 | 4,251 | 3,721 | 3,830 | 3,203 | 3,495 | 4,769 | 4,537 | 3,854 | 4,567 |
| Total Concentration of VOCs | | 12 | 6.5 | 7.0 | 7.9 | 12 | 6.9 | 748 | 576 | 5,311 | 818 | 5,982 | 4,251 | 3,721 | 3,830 | 3,203 | 3,495 | 4,769 | 4,537 | 3,854 | 4,567 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-2 (Cont'd) (D)* | Mar-01 | Jun-01 | Sep-01 | Dec-01 | Mar-02 | Jun-02 | Sep-02 | Nov-02 | Mar-03 | May-03 | Aug-03 | Dec-03 | Mar-04 | May-04* | Aug-04 | Nov-04 | Mar-05 | May-05* | Sep-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| n-Butylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| sec-Butylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| ter-Butylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Ethylbenzene | 300 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 |
| p-Isopropyltoluene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Methyl tert-Butyl Ether | 13 | <200 | <500 | <500 | <500 | <500 | <500 | <500 | <50 | <500 | <5 | <50 | <50 | <250 | <50 | <5 | <50 | <5 | <50 | <0.5 | <250 |
| Naphthalene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 |
| n-Propylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Toluene | 150 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| 1,2,4-Trimethylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| 1,3,5-Trimethylbenzene | | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Xylenes, total | 1750 | <300 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 | <100 | <20 | <10 | <20 | <2 | <20 | <1 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Carbon Tetrachloride | 0.5 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | 17.7 | <100 | 8.1 | <10 | <10 | <50 | <10 | <5 | <10 | 7.6 | 21.9 | 8.5 | <50 |
| Chloroform | 80 | <200 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <3 | <30 | <30 | <150 | <30 | <5 | <30 | <3 | <30 | 1.4 | <150 |
| 1,1-Dichloroethane | 5 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | 3.4 | <10 | <10 | <50 | <10 | <5 | <10 | 3.0 | <10 | 2.7 | <50 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 |
| 1,1-Dichloroethene | 6 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | 23.9 | <100 | 12.2 | 10.6 | <10 | <50 | <10 | 9.8 | <10 | 10.7 | <10 | 11 | <50 |
| cis-1,2-Dichloroethene | 6 | <200 | <100 | <100 | <100 | 108.4 | <100 | <100 | 29.9 | <100 | 27.9 | 28.3 | 43.1 | <50 | 24.5 | 22 | 25.4 | 27.5 | 42.2 | 20 | <50 |
| trans-1,2-Dichloroethene | 10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| 1,2-Dichloropropane | 5 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | 1.2 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Methylene Chloride | 5 | <300 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | 45 | <10 | <1 | <10 | <1 | <50 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | 1.2 | <50 |
| Tetrachloroethene | 5 | 2900 | 3067.3 | 2242.4 | 2082.3 | 2474.5 | 2218.3 | 1598.6 | 1098.8 | 331.5 | 679 | 879 | 1460 | 844 | 722 | 510 | 628 | 691 | 1230 | 470 | 307 |
| 1,1,1-Trichloroethane | 200 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| 1,1,2-Trichloroethane | 5 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Trichloroethene | 5 | 1500 | 1346.7 | 1043.3 | 1096.5 | 1168.4 | 1180.7 | 877.7 | 539.9 | 210.3 | 337 | 391 | 501 | 311 | 312 | 230 | 281 | 353 | 568 | 230 | 132 |
| Freon-113 | 1200 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Freon-123A | | | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | | <10 | <1 | <10 | <0.5 | <50 |
| Vinyl Chloride | 0.5 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 |
| Total Halogenated Hydrocarbons | | 4,400 | 4,414 | 3,286 | 3,179 | 3,751 | 3,399 | 2,476 | 1,710 | 542 | 1,069 | 1,309 | 2,004 | 1,155 | 1,059 | 817 | 934 | 1,093 | 1,862 | 745 | 439 |
| Total Concentration of VOCs | | 4,400 | 4,414 | 3,286 | 3,179 | 3,751 | 3,399 | 2,476 | 1,710 | 542 | 1,069 | 1,309 | 2,004 | 1,155 | 1,059 | 817 | 934 | 1,093 | 1,862 | 745 | 439 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-2 (Cont'd) Nov-05 | Feb-06 | Mar-06* | May-06 | Jul-06 | Sep-06 | Oct-06 | Dec-06* | Jan-07 | Mar-07* | May-07 | Jul-07 | Sep-07 | Nov-07 | Jan-08 | Mar-08 | May-08 | Jul-08 | Sep-08 | Nov-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <20 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <50 | <5 | <5 | <5 | | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | | <20 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 2.5 | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | 3.1 | 3.5 | 2.7 | <10 | 2.3 | 1.7 | 1.4 | 1.5 | 1.5 | 1.0 | 1.6 | 1.6 | 1.5 | 1.3 | 1.0 | <1 | 1.1 | <1 | 1.0 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <30 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.3 | 1.7 | 1.2 | <10 | 1.2 | 1.2 | <1 | 1.0 | <1 | 1.3 | 1.5 | 1.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 6.5 | 6.1 | 5.1 | <10 | 3.8 | 4.3 | 3.2 | 3.7 | 3.5 | 4.2 | 4.3 | 5.0 | 3.5 | 3.0 | 2.2 | 1.2 | 1.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 14.7 | 13.9 | 11 | <10 | 8.4 | 9.7 | 8.2 | 8.8 | 5.9 | 7.9 | 8.1 | 7.5 | 4.5 | 5.7 | 4.8 | 3.8 | 3.4 | 3.9 | 3.7 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 358 | 278 | 260 | 166 | 159 | 196 | 167 | 150 | 117 | 110 | 143 | 137 | 85.9 | 97.9 | 89.8 | 58 | 61.1 | 58.5 | 81.3 | 43.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 178 | 146 | 110 | 84.7 | 76.2 | 89.9 | 76.4 | 82 | 52.8 | 60 | 68.8 | 66.7 | 42.6 | 51 | 44.8 | 35.8 | 38 | 34.2 | 39.8 | 27.2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 562 | 449 | 390 | 251 | 251 | 303 | 256 | 247 | 181 | 184 | 227 | 219 | 139 | 159 | 143 | 99 | 105 | 97 | 126 | 74 |
| Total Concentration of VOCs | | 562 | 449 | 390 | 251 | 251 | 303 | 256 | 247 | 181 | 184 | 227 | 222 | 139 | 159 | 143 | 99 | 105 | 97 | 126 | 74 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-96-2 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-09 | Mar-09 | May-09 | Jul-09 | Sep-09 | Nov-10 | Feb-10 | Apr-10 | Jul-10 | Oct-10 | Dec-10 | Feb-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.5 | 3.5 | 2.1 | 1.8 | 2.3 | 2.1 | 1.8 | 1.4 | 1.3 | 1.4 | 1.4 | 1.5 | 1.1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 66.8 | 47.7 | 32.1 | 32.3 | 34.1 | 32.4 | 40.6 | 24.4 | 20.4 | 37.7 | 26.8 | 24.4 | 24.3 | 18.7 | 17.7 | 15.3 | 24.6 | 19.8 | 20.3 | 17.2 | 13.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 31.8 | 25.9 | 20.3 | 18.8 | 20 | 20.3 | 20.5 | 12.4 | 12.6 | 17.4 | 14.9 | 13.4 | 12.4 | 10.1 | 8.9 | 8.8 | 13.9 | 10.6 | 10.7 | 8.9 | 7.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 103 | 77 | 55 | 53 | 56 | 55 | 63 | 38 | 34 | 57 | 43 | 39 | 38 | 29 | 27 | 24 | 40 | 30 | 31 | 26 | 20 |
| Total Concentration of VOCs | | 103 | 77 | 55 | 53 | 56 | 55 | 63 | 38 | 34 | 57 | 43 | 39 | 38 | 29 | 27 | 24 | 40 | 30 | 31 | 26 | 20 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-1 Nov-97 | Nov-97 | Apr-98 | Jun-99 | Mar-00 | Jun-00 | Oct-00 | Dec-00 | (D)* | May-01 | Jun-01 | Sep-01 | Mar-02 | Jun-02 | Oct-02* | Nov-02 | Mar-03 | May-03 | Aug-03 | Dec-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| n-Butylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <10 | <2 | <20 | <200 | <100 | <20 | <20 | <20 | <7 | <20 | <20 | <20 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | <50 | <500 | <250 | <50 | <50 | <50 | <7 | <50 | <50 | <50 | <5 | <50 | <0.5 | <5 | <5 | <5 | <5 | <50 |
| Naphthalene | | <10 | <2 | <20 | <200 | <100 | <20 | <20 | <20 | <7 | <20 | <20 | <20 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Toluene | 150 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Xylenes, total | 1750 | <10 | <2 | <20 | <200 | <100 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | 9.3 | 10.7 | 607 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | 4.9 | <1 | <10 |
| Chloroform | 80 | 9.0 | 10.3 | 77.1 | <100 | <50 | <10 | <30 | <30 | <7 | <30 | <30 | <30 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | <30 |
| 1,1-Dichloroethane | 5 | <5 | 1.8 | 16.3 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| 1,2-Dichloroethane | 0.5 | <10 | <2 | <20 | <200 | <100 | <20 | <20 | <20 | <7 | <20 | <20 | <20 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <20 |
| 1,1-Dichloroethene | 6 | <5 | 3.0 | 107 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | 4.1 | <1 | <10 |
| cis-1,2-Dichloroethene | 6 | 58.8 | 53.8 | 587 | 199 | 161 | 94 | 116.2 | <10 | 7.3 | 25.2 | 19.6 | 34.1 | 47.6 | 27.3 | 47 | 12.8 | 30.3 | 31.5 | 37.2 | 54.4 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Methylene Chloride | 5 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | 30.1 | <200 | <100 | <20 | <20 | <20 | <7 | <20 | <20 | <20 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | 377 | 446 | 12500 | 3220 | 826 | 690 | 949.2 | 103 | 79 | 209.4 | 278.4 | 282.6 | 161.3 | 179.4 | 28 | 3.3 | 52.3 | 1260 | 1490 | 140 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <10 | 237 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Trichloroethene | 5 | 861 | 890 | 19200 | 3360 | 449 | 764 | 1185.1 | 55 | 60 | 209.8 | 289.6 | 466.8 | 102.5 | 106.2 | 37 | 8.3 | 48.3 | 221 | 248 | 99.9 |
| Freon-113 | 1200 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <10 |
| Freon-123A | | | | <10 | <100 | <50 | <10 | <10 | <10 | | <10 | <10 | <10 | <1 | <10 | | <1 | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <5 | <1 | <10 | <100 | <50 | <10 | <10 | <10 | <7 | <10 | <10 | <10 | <1 | <10 | <0.5 | 75 | <1 | <1 | <1 | <10 |
| Total Halogenated Hydrocarbons | | 1,315 | 1,416 | 33,125 | 7,016 | 1,436 | 1,548 | 2,251 | 158 | 146 | 444 | 588 | 784 | 311 | 313 | 112 | 99 | 131 | 1,522 | 1,775 | 294 |
| Total Concentration of VOCs | | 1,315 | 1,416 | 33,125 | 7,016 | 1,436 | 1,548 | 2,251 | 158 | 146 | 444 | 588 | 784 | 311 | 313 | 112 | 99 | 131 | 1,522 | 1,775 | 294 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-04 | May-04* | Aug-04 | Nov-04 | Mar-05 | May-05* | Sep-05 | Feb-06 | Mar-06* | May-06 | Jul-06 | Sep-06 | Nov-06 | Jan-07 | Mar-07* | May-07 | Jul-07 | Sep-07 | Nov-07 | Jan-08 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.4 | 10 | 18.5 | 4.6 | 6.1 | 2.8 | 3.4 | 6.2 | 2.2 | 1.9 | 4.5 | <1 | <1 | 1.4 | 1.0 | <1 | <1 | <1 | 2.1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 34.5 | 49 | 23.5 | <1 | 33.2 | 17 | 12.5 | 28 | 12 | 12.3 | 30.7 | 9.9 | 8.5 | 9.2 | 4.7 | 5.3 | 3.6 | 5.2 | 4.6 | 3.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12.9 | 11 | 22.3 | 2.8 | 13.4 | 2.7 | 3.8 | 7.0 | 4.4 | 2.5 | 3.5 | 1.4 | 1.9 | 2.1 | 1.3 | <1 | <1 | 1.2 | 2.4 | 1.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | 14.9 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 59 | 70 | 64 | 22 | 53 | 23 | 20 | 41 | 19 | 17 | 39 | 11 | 10 | 13 | 7.0 | 5.3 | 3.6 | 6.4 | 9.1 | 4.9 |
| Total Concentration of VOCs | | 59 | 70 | 64 | 22 | 53 | 23 | 20 | 41 | 19 | 17 | 39 | 11 | 10 | 13 | 7.0 | 5.3 | 3.6 | 6.4 | 9.1 | 4.9 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-1 (Cont'd) Mar-08 | May-08 | Jul-08 | Sep-08 | Nov-08 | Jan-09 | Mar-09 | May-09 | Jul-09 | Sep-09 | Nov-09 | Feb-10 | Apr-10 | Jul-10 | Oct-10 | Dec-10 | Feb-11 | Apr-11 | Jun-11 | Aug-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.6 | 2.6 | 2.6 | 3.1 | 2.2 | 2.1 | <1 | 2.6 | 2.5 | 2.7 | 1.8 | 2.8 | 2.7 | 2.5 | 3.8 | 3.1 | 2.9 | 2.2 | 2.1 | 1.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.3 | <1 | 1.4 | 1.5 | 2.2 | 2.1 | <1 | 1.5 | 1.1 | 1.8 | 1.7 | <1 | <1 | 1.1 | 1.3 | <1 | 1.0 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.9 | 2.6 | 4.0 | 4.6 | 4.4 | 4.2 | | 4.1 | 3.6 | 4.5 | 3.5 | 2.8 | 2.7 | 3.6 | 5.1 | 3.1 | 3.9 | 2.2 | 2.1 | 1.7 |
| Total Concentration of VOCs | | 4.9 | 2.6 | 4.0 | 4.6 | 4.4 | 4.2 | | 4.1 | 3.6 | 4.5 | 3.5 | 2.8 | 2.7 | 3.6 | 5.1 | 3.1 | 3.9 | 2.2 | 2.1 | 1.7 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-97-1 (Cont'd) | | | | | | SB58-97-2 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Aug-03 | Dec-03* | May-04* | Sep-04 | Sep-05 | Dec-05 | Jan-06 | Mar-06 | Apr-06 | May-06 | Jun-06 | Aug-06 | Oct-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 0.74 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.84 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 26.7 | 30 | 76 | 60.7 | 61.3 | 91.1 | 39 | 18.3 | 17.3 | 22.8 | 38.2 | 43.7 | 29.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.1 | 2.3 | 2.5 | <1 | 1.8 | 2.6 | <1 | 1.1# | 0.62 | <1 | <1 | <1 | 2.1 | 1.6 | 1.1 | 1.3 | 1.6 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 1.1 | 13.4 | 8.9 | 8.1 | 4.2 | 4.2 | 5.3 | 4.7 | 3.1 | 3.2 | 3.2 | 3.9 | 4.3 | 3.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | <1 | <0.5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 6.3 | 2.8 | 2.9 | 5.6 | 1.8 | <1 | <1 | 2.0 | 3.6 | 2.9 | 1.6 |
| Total Halogenated Hydrocarbons | | 1.1 | 2.3 | 2.5 | | 1.8 | 3.7 | 40 | 41 | 94 | 68 | 68 | 103 | 48 | 23 | 22 | 29 | 47 | 51 | 35 |
| Total Concentration of VOCs | | 1.1 | 2.3 | 2.5 | | 1.8 | 3.7 | 40 | 41 | 94 | 68 | 68 | 103 | 48 | 23 | 22 | 29 | 47 | 51 | 35 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-2 (Cont'd) Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | |
| Naphthalene | | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.0 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.56 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 53.8 | 59 | 21.5 | 19.8 | 26 | 40.8 | 28.6 | 32.5 | 27.9 | 32.9 | 26.9 | 35.6 | 40.6 | 35.6 | 28.4 | 19 | 10.1 | 14.2 | 12.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 2.8 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.4 | 6.3 | 3.1 | 3.0 | 2.4 | 4.3 | 2.0 | 1.8 | 1.9 | 2.7 | 1.6 | 3.2 | 3.1 | 1.9 | 2.4 | 1.3 | 1.5 | 1.2 | 1.7 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | 4.2 | 4.0 | 1.1 | <1 | 1.3 | 2.3 | 1.5 | 1.9 | 1.4 | 1.9 | 1.7 | 2.1 | 2.5 | 2.6 | 1.7 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 61 | 74 | 26 | 23 | 30 | 47 | 32 | 36 | 31 | 38 | 30 | 41 | 46 | 40 | 33 | 20 | 12 | 15 | 14 |
| Total Concentration of VOCs | | 61 | 74 | 26 | 23 | 30 | 47 | 32 | 36 | 31 | 38 | 30 | 41 | 46 | 40 | 33 | 20 | 12 | 15 | 14 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-2 (Cont'd) Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 9.4 | 9.7 | 8.4 | 8.5 | 11.6 | 7.3 | 11 | 9.1 | 8.9 | 7.4 | 8.0 | 7.8 | 7.8 | 6.2 | 5.2 | 4.0 | 4.5 | 4.9 | 3.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 2.0 | 1.3 | 1.8 | 1.3 | 2.4 | 2.6 | 2.8 | 1.5 | 1.6 | 1.6 | 1.9 | 1.3 | 1.7 | <1 | 1.1 | 1.5 | 1.8 | 1.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.4 | 12 | 9.7 | 10 | 13 | 9.7 | 15 | 12 | 10 | 9.0 | 9.6 | 9.7 | 9.1 | 7.9 | 5.2 | 5.1 | 6.0 | 6.7 | 4.6 |
| Total Concentration of VOCs | | 9.4 | 12 | 9.7 | 10 | 13 | 9.7 | 15 | 12 | 10 | 9.0 | 9.6 | 9.7 | 9.1 | 7.9 | 5.2 | 5.1 | 6.0 | 6.7 | 4.6 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-97-2 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10 | Nov-10 | Jan-11^ | Feb-11* | Mar-11 | Apr-11 | Jun-11 | Aug-11 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.3 | 2.4 | 3.1 | 2.1 | <1 | <1 | 1.7 | 2.0 | 1.1 | 1.9 | 1.5 | 1.9 | 1.8 | 1.6 | 2.1 | 3.6 | 1.8 | 2.8 | 2.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.3 | 1.5 | <1 | <1 | 1.4 | 1.3 | <0.5 | 1.3 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.3 | 2.4 | 4.4 | 3.6 | | | 3.1 | 3.3 | 1.1 | 3.2 | 1.5 | 3.0 | 1.8 | 1.6 | 2.1 | 3.6 | 1.8 | 2.8 | 2.7 |
| Total Concentration of VOCs | | 2.3 | 2.4 | 4.4 | 3.6 | | | 3.1 | 3.3 | 1.1 | 3.2 | 1.5 | 3.0 | 1.8 | 1.6 | 2.1 | 3.6 | 1.8 | 2.8 | 2.7 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-98-1 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-98 | Jan-99 | Mar-99 | Oct-99 | Apr-00 | Apr-01 | Oct-01 | Mar-02 | Oct-02* | Sep-03 | Sep-04 | Sep-05 | Mar-06* | Mar-07 | Mar-08 | Mar-09 | Mar-10 | Mar-11 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | 35.4 | 2.2 | <5 | <5 | <5 | <5 | 63.8# | <5 | <0.5 | <5 | <5 | <5 | | <5 | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | 5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 44.2 | 2.2 | | | | | 63.8 | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 9.4 | 2.7 | 2.1 | 2.8 | 1.6 | 3.0 | 1.2 | 1.6 | 1.3 | 3.8 | 1.7 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 42.8 | 7.6 | 6.3 | 7.5 | 5.6 | 8.2 | 3.1 | 4.6 | 3.0 | 9.7 | 4.9 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.2 | 2.7 | 2.8 | 2.5 | 3.8 | 3.3 | 2.1 | 2.8 | 2.5 | 16.6 | 7.2 | 5.5 | 3.8 | 1.8 | <1 | <1 | <1 | <1 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 21.8 | 1.6 | 2.7 | 2.9 | 6.7 | <1 | <1 | 2.0 | 0.96 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 59.2 | 7.1 | 7.7 | 7.5 | 11.2 | 9.6 | 2.7 | 7.2 | 4.2 | 7.2 | 2.1 | <1 | 1.1 | <1 | 1.0 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 140 | 22 | 22 | 23 | 29 | 24 | 9.1 | 18 | 12 | 37 | 16 | 5.5 | 7.6 | 1.8 | 1.0 | | | | 1.2 |
| Total Concentration of VOCs | | 185 | 24 | 22 | 23 | 29 | 24 | 73 | 18 | 12 | 37 | 16 | 5.5 | 7.6 | 1.8 | 1.0 | | | | 1.2 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-98-6 May-98 | Dec-98 | Mar-99 | Jun-99 | Oct-99 | Nov-99 | Mar-00 | Jun-00 | Dec-00 | Apr-01 | Oct-01 | Dec-01 | Mar-02 | May-02 | Sep-04 | Sep-05 | Mar-06* | May-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 11.6 | <5 | 18.8 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 1.3 | | | | | 11.6 | | 18.8 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.4 | 2.5 | 2.5 | 3.9 | 1.2 | 1.3 | 2.8 | 3.3 | 1.3 | 2.4 | <1 | <1 | 1.1 | <1 | <1 | <1 | 0.66 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.9 | 2.6 | 3.3 | 11.2 | 1.9 | 1.7 | 2.9 | <1 | <1 | <1 | 1.2 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.2 | 1.5 | 1.2 | <1 | 1.1 | <1 | <1 | <1 | 0.58 | <1 |
| Freon-113 | 1200 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 13 | 2.5 | 2.5 | 3.9 | 1.2 | 2.3 | 4.7 | 7.2 | 5.8 | 15 | 3.1 | 1.7 | 5.1 | | | | 2.4 | 1.2 |
| Total Concentration of VOCs | | 13 | 2.5 | 2.5 | 3.9 | 2.5 | 2.3 | 4.7 | 7.2 | 5.8 | 27 | 3.1 | 21 | 5.1 | | | | 2.4 | 1.2 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-98-6 (Cont'd) | | | | | | | | | | | | | SB58-98-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-06 | Mar-07 | Sept-07* | Feb-08 | Sep-08 | Mar-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12* | Jun-98 | Oct-99 | Apr-00 | Sep-00 | May-01 | Oct-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <1 | <1 | <1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 0.56 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | 1.1 | 2.8 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.1 | 1.9 | 1.0 | 1.5 | 1.2 | <1 | 1.3 | 1.9 | 1.8 | 1.5 | 1.4 | 0.55 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.2 | <1 | 1.4 | <1 | 1.0 | <1 | 1.2 | <1 | <1 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.1 | 3.7 | 1.0 | 2.9 | 1.2 | 1.0 | 1.3 | 3.7 | 1.8 | 1.5 | 1.4 | 3.7 | 2.8 | | | | | |
| Total Concentration of VOCs | | | 1.1 | 3.7 | 1.0 | 2.9 | 1.2 | 1.0 | 1.3 | 3.7 | 1.8 | 1.5 | 1.4 | 3.7 | 2.8 | | | | | |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-98-7 (Cont'd) | | | | | | | | | | | | SB58-02-1R | | SB58-02-2 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-02 | Oct-02* | Sep-03 | Sep-04 | Sep-05 | Sep-06 | Sept-07* | Sep-08 | Sep-09 | Sep-10* | Sep-11 | Sep-12* | Nov-11 | Sep-12* | Jun-02 | Sep-02 | Nov-02 | Mar-03 | May-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | | <2 | | <200 | <20 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | | | | | | | | | <500 | <50 | <50 | <5 | <5 |
| Naphthalene | | <1 | <0.5 | <1 | <2 | <2 | <2 | | <2 | <2 | | <2 | | <2 | | <200 | <20 | <20 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | | <1 | | <100 | <10 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <2 | <1 | <200 | <20 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <0.5 | <300 | <30 | <30 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | 4.6 | 2.0 | <100 | 19.2 | 18.5 | 19.8 | 15.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <200 | <20 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | 22.6 | 1.8 | <100 | 29.5 | 21 | 29.2 | 22.6 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | 1.8 | 2.1 | 1.6 | <1 | <1 | 0.66 | <1 | <0.5 | 15 | 3.0 | <100 | 21.6 | 16.5 | 24.3 | 16.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <10 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <200 | <20 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | 3.8 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | 40.6 | 4.1 | 690.9 | 555.5 | 300.4 | 230 | 184 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | 2.5 | 0.81 | <100 | <10 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | 0.85 | 30 | 5.7 | 363.9 | 287.8 | 184.8 | 151 | 110 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | | | | | | | | | <100 | <10 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | 1.2 | <0.5 | <100 | <10 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 14 | | 1.8 | 2.1 | 1.6 | | | 0.7 | | 0.9 | 117 | 17 | 1,055 | 914 | 541 | 454 | 349 |
| Total Concentration of VOCs | | | | 14 | | 1.8 | 2.1 | 1.6 | | | 0.7 | | 0.9 | 117 | 17 | 1,055 | 914 | 541 | 454 | 349 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB58-02-2 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-03 | Dec-03* | Mar-04 | May-04* | Aug-04 | Nov-04 | Mar-05 | May-05* | Sep-05 | Mar-06* | Sep-06 | Mar-07* | Sept-07* | Mar-08 | Sep-08 | Sep-09 | Sep-10* | Sep-11 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | | <20 | | | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | | <50 | | | <5 | | | | | |
| Naphthalene | | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | | <20 | | | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <1 | <20 | <1 | <1 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | 0.96 | <3 | 1.0 | <3 | <3 | <3 | 0.96 | <3 | 1.0 | <30 | 0.83 | 0.87 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 18.4 | 17 | 16.2 | 16 | 16.7 | 16.1 | 13.5 | 15 | 14.6 | 16 | 13.1 | 15 | 13 | 10.6 | 8.1 | 8.4 | 8.7 | 7.1 | 5.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <20 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 30.4 | 31 | 26.6 | 27 | 31.4 | 27.7 | 25.8 | 39 | 28 | 31 | 33.1 | 29 | 26 | 19.4 | 15.9 | 13.9 | 16 | 13.4 | 9.8 |
| cis-1,2-Dichloroethene | 6 | 20.3 | 16 | 15.2 | 17 | 17.1 | 17.6 | 15.9 | 13 | 15 | 16 | <10 | 16 | 16 | 14.4 | 12 | 12.8 | 13 | 10.3 | 7.5 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | 0.71 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <20 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 212 | 120 | 111 | 89 | 105 | 104 | 91.6 | 88 | 87.2 | 100 | 82.1 | 74 | 69 | 59.8 | 49.8 | 43.4 | 41 | 30.8 | 26.2 |
| 1,1,1-Trichloroethane | 200 | <1 | 1.1 | <1 | 0.71 | <1 | <1 | <1 | 2.0 | 1.0 | 1.3 | <10 | 0.76 | 0.63 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | 0.88 | <1 | 1.0 | <1 | <1 | <1 | 0.91 | <1 | 0.85 | <10 | 0.68 | 0.78 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 129 | 97 | 85 | 97 | 86.4 | 88 | 84.1 | 71 | 80.6 | 86 | 65.1 | 70 | 71 | 60.6 | 42.2 | 44.2 | 41 | 29.1 | 26 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | | <1 | | <1 | <1 | <1 | <0.5 | <1 | | <10 | | | <1 | | | | | |
| Vinyl Chloride | 0.5 | <1 | 1.0 | <1 | <0.5 | <1 | <1 | <1 | 1.1 | <1 | <0.5 | <10 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 410 | 285 | 254 | 249 | 257 | 253 | 231 | 231 | 226 | 253 | 193 | 206 | 197 | 165 | 128 | 123 | 120 | 91 | 75 |
| Total Concentration of VOCs | | 410 | 285 | 254 | 249 | 257 | 253 | 231 | 231 | 226 | 253 | 193 | 206 | 197 | 165 | 128 | 123 | 120 | 91 | 75 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
≈:Total concentration include other chemicals, detail shown on Table 10.

(D) = Duplicate sample
(G) = Grab sample
˚ indicates that the sample was predevelopment.

< = Less than Quantitation Limit
= Compound not included in analysis
# = QA/QC problems

# Table 6-3
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW7-96-1 | | | | | | EW7-96-2 | | | | | | EW7-96-4R | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 71.2 | 79.9 | 75.3 | 68.3 | 46.6 | 85.8 | 11.4 | 10.8 | 8.6 | 8.8 | 12.5 | 12.8 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.3 | 2.8 | 2.1 | 2.1 | 2.2 | 3.2 | 7.1 | 6.9 | 5.4 | 5.3 | 7.7 | 8.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 74 | 83 | 77 | 70 | 49 | 89 | 19 | 18 | 14 | 14 | 20 | 21 | 1.6 | | | |
| Total Concentration of VOCs | | 74 | 83 | 77 | 70 | 49 | 89 | 19 | 18 | 14 | 14 | 20 | 21 | 1.6 | | | |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| | | EW7-96-4R (Cont'd) | | EW7-03-1 | | | | | | EW7-03-2 | | | | | | EW7-03-3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | 2.3 | 1.3 | 1.9 | <1 | <1 | <1 | 5.9 | 3.8 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.2 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.3 | 1.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.7 | 20.5 | 23.1 | 22.7 | 17.2 | 27.2 | 25.9 | 98 | 34.8 | 89.2 | 44.2 | 47.3 | 2.9 | 260 | 162 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 14.4 | 15.3 | 15.5 | 11.5 | 18.1 | 19.2 | 44.4 | 21.2 | 25 | 16.1 | 15.3 | <1 | 110 | 64.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.2 | 3.0 | 35 | 38 | 38 | 29 | 46 | 45 | 145 | 57 | 116 | 60 | 63 | 2.9 | 379 | 232 |
| Total Concentration of VOCs | | 1.2 | 3.0 | 35 | 38 | 38 | 29 | 46 | 45 | 145 | 57 | 116 | 60 | 63 | 2.9 | 379 | 232 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| | | EW7-03-3 (Cont'd) | | | | EW7-06-1 | | | | | EW7C-04-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Apr-12 | Jun-12 | Aug-12 | Nov-11 | Jan-12 | Jan-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 6.6 | 6.1 | 5.7 | 4.9 | <1 | <1 | <1 | <1 | <1 | 2.4 | 2.9 | 3.1 | 3.1 | 3.5 | 3.0 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.2 | <1 | <1 | 2.3 | <1 | 2.3 | 1.6 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.2 | 2.7 | 1.7 | <1 | 41.2 | 29.1 | 36.5 | 28.4 | 29.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 1.2 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 257 | 280 | 208 | 235 | 1990 | 1370 | 1630 | 1870 | 1350 | 21.8 | 21.5 | 25 | 24.1 | 27.3 | 25.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 117 | 134 | 110 | 88.1 | 260 | 197 | 190 | 205 | 173 | 4.0 | 4.0 | 4.9 | 4.5 | 4.7 | 4.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 6.3 | 4.4 | 6.8 | 2.7 | 3.7 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 383 | 424 | 325 | 328 | 2,301 | 1,601 | 1,867 | 2,108 | 1,557 | 28 | 28 | 33 | 35 | 36 | 33 |
| Total Concentration of VOCs | | 383 | 424 | 325 | 328 | 2,301 | 1,601 | 1,867 | 2,108 | 1,557 | 28 | 28 | 33 | 35 | 36 | 33 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW25A-02-1 | | | | | | EW53-04-2 | | | | | | EW58-98-1[T] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Feb-12 | May-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 3.3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.5 | <1 | <1 | 4.2 | 2.5 | 4.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 1.8 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.5 | | | 4.2 | 2.5 | 4.5 | | | | | | | 1.8 | 1.8 | | 3.3 |
| Total Concentration of VOCs | | 4.5 | | | 4.2 | 2.5 | 4.5 | | | | | | | 1.8 | 1.8 | | 3.3 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW58-98-2[T] | | | | EW58E-98-1 | | | | | | EW58E-98-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | Feb-12 | May-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.5 | 2.4 | 2.5 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | 4.9 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.2 | <1 | 4.0 | <1 | 2.1 | 2.6 | 1.4 | 1.5 | 3.1 | 2.5 | 2.0 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | 28.3 | 19.2 | 120 | 79 | 110 | 102 | 13 | 16 | 20.2 | 33.7 | 32.8 | 18.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.7 | <1 | <1 | 25 | 16.1 | 103 | 49.2 | 65.4 | 65.6 | 19.3 | 20.3 | 33.2 | 41.6 | 32.7 | 21.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.7 | | 4.9 | 55 | 35 | 230 | 131 | 180 | 173 | 34 | 38 | 57 | 78 | 68 | 42 |
| Total Concentration of VOCs | | | 1.7 | | 4.9 | 55 | 35 | 230 | 131 | 180 | 173 | 34 | 38 | 57 | 78 | 68 | 42 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| | | EW58E-98-3 | | | | | | EW58E-98-4 | | | | | | EW58E-98-5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | 1.9 | <1 | 1.2 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.5 | 1.5 | 2.6 | 2.3 | 2.2 | 1.7 | 1.7 | 1.3 | 1.5 | <1 | 1.5 | 1.0 | 9.8 | 6.8 | 2.3 | 6.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 13 | 14.4 | 14.5 | 36.3 | 30.4 | 18.5 | 12.6 | 11.5 | 6.4 | 12.8 | 13.7 | 6.9 | 76.3 | 68 | 12.3 | 47.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21.4 | 22.6 | 28.9 | 36.8 | 29.7 | 20.1 | 34.3 | 32.1 | 25 | 40.3 | 35.7 | 21.8 | 91.6 | 70.2 | 22 | 60.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 36 | 39 | 46 | 77 | 62 | 40 | 49 | 45 | 33 | 53 | 51 | 30 | 180 | 147 | 37 | 115 |
| Total Concentration of VOCs | | 36 | 39 | 46 | 77 | 62 | 40 | 49 | 45 | 33 | 53 | 51 | 30 | 180 | 147 | 37 | 115 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW58E-98-5 (Cont'd) | | EW58E-98-6 | | | | | | EW58E-98-7 | | | | | | EW58E-98-8 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Oct-11 | Dec-11 | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Oct-11 | Dec-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.4 | 1.6 | 5.9 | 4.8 | 1.6 | 3.3 | 4.7 | 1.6 | 4.4 | 4.7 | 1.5 | 1.9 | 2.6 | 2.4 | 4.6 | 3.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 69.6 | 10 | 23.1 | 23.4 | 6.2 | 13.5 | 20.1 | 5.3 | 13.8 | 21.4 | 5.0 | 10.4 | 10.7 | 7.0 | 25.2 | 25 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 65.3 | 14.8 | 39.1 | 39 | 12.5 | 27.2 | 31.8 | 10.6 | 28.4 | 39.4 | 10.2 | 19.5 | 17.5 | 11.5 | 25.1 | 22.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 143 | 26 | 68 | 67 | 20 | 44 | 57 | 18 | 47 | 66 | 17 | 32 | 31 | 21 | 55 | 51 |
| Total Concentration of VOCs | | 143 | 26 | 68 | 67 | 20 | 44 | 57 | 18 | 47 | 66 | 17 | 32 | 31 | 21 | 55 | 51 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | EW58E-98-8 (Cont'd) | | | | EW58-02-1 | | | | | | EW58-07-1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-12 | Apr-12 | Jun-12 | Aug-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Nov-11 | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | 1.9 | 1.0 | 1.2 | <1 | <1 | 5.5 | 5.3 | 4.7 | 4.8 | 5.0 | 5.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | 2.8 | <1 | 1.4 | <1 | <1 | 8.6 | 9.2 | 5.2 | 7.2 | 8.2 | 5.7 |
| cis-1,2-Dichloroethene | 6 | 2.8 | 1.6 | 2.2 | 2.0 | 1.8 | 4.5 | 2.4 | 2.6 | 1.6 | 1.8 | 6.4 | 6.3 | 5.5 | 6.0 | 5.9 | 4.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 19.3 | 15.9 | 19 | 6.8 | 28 | 28.8 | 28.7 | 16.9 | 9.0 | 15.6 | 20.7 | 18.8 | 19.4 | 16.8 | 16.8 | 13.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.6 | 1.5 | 1.3 | 1.3 | 1.0 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18.5 | 12.1 | 14.3 | 12 | 14.2 | 16.8 | 14.2 | 9.5 | 5.6 | 9.3 | 15.2 | 16 | 15.6 | 13.6 | 13.7 | 12.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 41 | 30 | 36 | 21 | 44 | 55 | 46 | 32 | 16 | 27 | 58 | 57 | 52 | 50 | 51 | 42 |
| Total Concentration of VOCs | | 41 | 30 | 36 | 21 | 44 | 55 | 46 | 32 | 16 | 27 | 58 | 57 | 52 | 50 | 51 | 42 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted

[T]Treatment System Influent Line
< = Less than Quantitation Limit

# Table 7-1
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
**(concentrations in µg/L)**

| Constituent | MCL | 31-98-17 Nov-98(G | Jul-99 | Jul-99 | (D)* | Nov-99 | Feb-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 31-98-17 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jul-05 | Jan-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | . | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 61-92-12 Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Nov-94* | Mar-95* | Sep-95 | Mar-96 | Aug-96 | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Feb-98 | Jun-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 2 | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <1 | <1 | <1 | 3.9 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | 3.9 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | 2.0 | | | | 3.9 | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 61-92-12 (Cont'd) Sep-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Jul-01* | Nov-01 | Feb-02 | May-02 | Aug-02 | Oct-02 | Oct-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.63 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 3.0 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 0.63 | | | | | 3 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | 0.6 | | | | | 3.0 | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 61-92-12 (Cont'd) Jan-03 | Apr-03 | Jul-03* | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Feb-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Aug-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.3 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | 1.3 | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | . | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | 1.3 | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 61-92-12 (Cont'd) | | | | | | 69-97-8 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Feb-98 | Jul-98 | (D)* | Nov-98 | Jan-99* | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Sep-00 | Nov-00 | Feb-01 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | 2.1 | 2.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 2.1 | 2.8 | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | 26.5 | 19.6 | 23 | 27.8 | 20 | 29.4 | 20.6 | 27.1 | 20.8 | 21 | 25.1 | 22.7 | 18.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 27 | 20 | 23 | 28 | 20 | 29 | 24 | 27 | 21 | 21 | 25 | 23 | 18 |
| Total Concentration of VOCs | | | | | | | | 27 | 22 | 26 | 28 | 20 | 29 | 24 | 27 | 21 | 21 | 25 | 23 | 18 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69-97-8 (Cont'd) May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Sep-03 | Feb-04 | Aug-04 | Nov-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | May-05 | Jun-05 | Jul-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 3.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 17.7 | 21.7 | 19 | 17.5 | 11.9 | 17.3 | 13.6 | 17.4 | 12.7 | 11.3 | 9 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <1 | 5.5 | 11 | 11.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 22 | 22 | 19 | 18 | 12 | 17 | 19 | 28 | 24 | 11 | 9.0 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 |
| Total Concentration of VOCs | | 22 | 22 | 19 | 18 | 12 | 17 | 19 | 28 | 24 | 11 | 9.0 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69-97-8 (Cont'd) Aug-05 | Oct-05 | Nov-05 | Dec-05* | Jan-06 | Feb-06 | Mar-06* | Apr-06 | May-06 | Jun-06 | Aug-06 | Sep-06 | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.3 | <1 | 1.4 | <1 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 1.5 | 1.3 | | 1.4 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.6 | 8.2 | 7.8 | 4.5 | 7.6 | 5.6 | 6.5 | 7.2 | 4.1 | 4.1 | 5.9 | 6.2 | 4.0 | 4.5 | 5.7 | 5.4 | 3.5 | 5.1 | 4.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.6 | 8.2 | 7.8 | 4.5 | 7.6 | 5.6 | 6.5 | 7.2 | 4.1 | 4.1 | 5.9 | 6.2 | 4.0 | 4.5 | 5.7 | 5.4 | 3.5 | 5.1 | 4.4 |
| Total Concentration of VOCs | | 7.6 | 8.2 | 7.8 | 4.5 | 7.6 | 5.6 | 6.5 | 7.2 | 4.1 | 4.1 | 5.9 | 6.2 | 4.0 | 4.5 | 7.2 | 6.7 | 3.5 | 6.5 | 4.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69-97-8 (Cont'd) Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08 | Sep-08 | Oct-08 | Nov-08 | Dec-08* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | 4.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | 4.4 | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 5.9 | 3.9 | 4.5 | 7.1 | 6.6 | 5.2 | 4.0 | 7.3 | 4.8 | 5.1 | 7.0 | 5.5 | 5.8 | 7.0 | 7.7 | 7.2 | 3.4 | 2.8 | 5.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 5.9 | 3.9 | 4.5 | 7.1 | 6.6 | 6.8 | 4.0 | 7.3 | 4.8 | 5.1 | 7.0 | 5.5 | 5.8 | 7.0 | 7.7 | 7.2 | 3.4 | 2.8 | 5.2 |
| Total Concentration of VOCs | | 10 | 3.9 | 4.5 | 7.1 | 6.6 | 6.8 | 4.0 | 7.3 | 4.8 | 5.1 | 7.0 | 5.5 | 5.8 | 7.0 | 7.7 | 7.2 | 3.4 | 2.8 | 5.2 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69-97-8 (Cont'd) Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Oct-10* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 7.4 | 8.4 | 7.9 | 7.5 | 7.3 | 3.8 | 6.5 | 3.2 | 6.8 | 3.1 | 5.4 | 6.8 | 3.0 | 3.6 | 6.6 | 7.4 | 7.2 | 4.3 | 4.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 7.4 | 8.4 | 7.9 | 7.5 | 7.3 | 3.8 | 6.5 | 3.2 | 6.8 | 3.1 | 5.4 | 6.8 | 3.0 | 3.6 | 6.6 | 7.4 | 7.2 | 4.3 | 4.4 |
| Total Concentration of VOCs | | 7.4 | 8.4 | 7.9 | 7.5 | 7.3 | 3.8 | 6.5 | 3.2 | 6.8 | 3.1 | 5.4 | 6.8 | 3.0 | 3.6 | 6.6 | 7.4 | 7.2 | 4.3 | 4.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 69-97-8 (Cont'd) | | | | | | | | | | | | | | | 69A-92-22 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Aug-93 | Nov-93 | Mar-94 | May 94* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1.0 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 3.0 | 1.9 | <1 | 0.67 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 4.1 | 2.2 | 1.5 | 0.73 |
| cis-1,2-Dichloroethene | 6 | 8.0 | 6.2 | 7.6 | 7.2 | 5.7 | 6.6 | 6.0 | 5.5 | 3.9 | 5.7 | 6.0 | 4.4 | 5.4 | 5.0 | 4.4 | 5.1 | 2.2 | 1.2 | 0.64 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 8.0 | 6.2 | 7.6 | 7.2 | 5.7 | 6.6 | 6.0 | 5.5 | 3.9 | 5.7 | 6.0 | 4.4 | 5.4 | 5.0 | 4.4 | 12 | 6.3 | 3.7 | 2.0 |
| Total Concentration of VOCs | | 8.0 | 6.2 | 7.6 | 7.2 | 5.7 | 6.6 | 6.0 | 5.5 | 3.9 | 5.7 | 6.0 | 4.4 | 5.4 | 5.0 | 4.4 | 12 | 6.3 | 3.7 | 2.0 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69A-92-22 (Cont'd) Aug-94 | Dec-94* | Feb-95* | (D)* | May-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Aug-97 | Feb-98 | Aug-98 | Feb-99 | Aug-00 | Jul-01* | Aug-02 | Jul-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Naphthalene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 0.87 | 0.76 | 0.71 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.96 | 0.81 | 0.82 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 0.87 | 0.69 | 0.72 | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 1.2 | 1.5 | <1 | <1 | <1 | 1.5 | 2.3 | <1 | 1.4 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.0 | 2.7 | 2.3 | 2.3 | 0.5 | | 1.2 | 2.6 | | | | 1.5 | 2.3 | | 1.4 | | | | | |
| Total Concentration of VOCs | | 3.0 | 2.7 | 2.3 | 2.3 | 0.5 | | 1.2 | 2.6 | | | | 1.5 | 2.3 | | 1.4 | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 69A-92-22 (Cont'd) | | | | | | | | | 75-96-20 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jul-10 | Jul-11 | Aug-12 | Mar-97 | (D)* | Jun-97 | Aug-97 | Nov-97 | Feb-98 | May-98 | Sep-98 | Nov-98 | Feb-99 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | 0.84 | 2.5 | 1.3 | 1.3 | 1.0 | 1.3 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | 3.2 | 6.3 | 2.7 | 2.8 | 1.7 | 2.6 | 2.2 | 2.3 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 5.0 | 12 | 7.3 | 8.6 | 7.3 | 9.3 | 5.8 | 5.3 | 5.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | 10 | 9.0 | 22 | 11 | 13 | 10 | 13 | 8.0 | 7.6 | 7.4 |
| Total Concentration of VOCs | | | | | | | | | | | 10 | 9.0 | 22 | 11 | 13 | 10 | 13 | 8.0 | 7.6 | 7.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 75-96-20 (Cont'd) May-99 | Sep-99 | Nov-99 | Mar-00 | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Jul-04 | Feb-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.9 | 2.7 | 3.0 | 2.6 | 2.9 | 2.1 | 1.9 | 1.4 | 1.4 | 2.3 | <1 | 1.4 | <1 | 1.6 | 1.8 | <1 | 1.9 | 2.2 | 2.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | 7.1 | 15.2 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.7 | 7.0 | 6.1 | 7.7 | 4.4 | 4.1 | 4.6 | 5.2 | 5.1 | 6.2 | 5.3 | 5.8 | 6.0 | 6.9 | 6.1 | 7.5 | 4.2 | 4.7 | 5.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.6 | 9.7 | 9.1 | 12 | 7.3 | 6.2 | 6.5 | 7.9 | 6.5 | 8.5 | 5.3 | 7.2 | 6.0 | 8.5 | 15 | 23 | 6.1 | 6.9 | 7.5 |
| Total Concentration of VOCs | | 6.6 | 9.7 | 9.1 | 12 | 7.3 | 6.2 | 6.5 | 7.9 | 6.5 | 8.5 | 5.3 | 7.2 | 6.0 | 8.5 | 15 | 23 | 6.1 | 6.9 | 7.5 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-96-20 (Cont'd) | | | | | | | | | 75-97-6 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-05 | Jul-06 | May-07 | Aug-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Aug-97 | (D)* | Dec-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Mar-99 | May-99 | Jul-00 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.2 | 2.2 | 2.7 | 2.2 | 2.4 | 2.9 | 2.2 | 2.3 | 2.3 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.4 | 4.8 | 6.1 | 4.2 | 5.6 | 8.5 | 5.5 | 5.8 | 5.8 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.6 | 7.0 | 8.8 | 6.4 | 8.0 | 14 | 7.7 | 8.1 | 8.1 | | 0.7 | | | | | | | | |
| Total Concentration of VOCs | | 7.6 | 7.0 | 8.8 | 6.4 | 8.0 | 14 | 7.7 | 8.1 | 8.1 | | 0.7 | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-97-6 (Cont'd) | | | | | 75-97-7 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-01 | Aug-02 | Jan-10 | Jan-11^ | Jan-12 | Jul-97 | (D)* | Dec-97 | Jan-98 | May-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Jul-00 | Aug-01 | Aug-02 | Jan-10 | Jul-11 | Jan-12 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <2 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 75-98-14 Jul-99 | (D)* | Nov-99 | Feb-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Dec-01 | Feb-02 | May-02 | Aug-02 | Feb-03 | Aug-03 | Sep-03 | Feb-04 | Aug-04 | Feb-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 5.4 | 4.9 | 1.3 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 0.76 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.9 | 3.9 | 4.0 | 2.1 | 2.0 | 1.7 | 1.9 | 2.1 | 4.1 | 3.7 | 4.2 | 2.5 | 2.8 | 3.7 | 3.2 | 4.7 | 5.2 | 3.9 | 4.3 | 3.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 7.5 | 46.3 | 13.4 | 1.3 | 1.2 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.3 | 11 | 5.3 | 2.1 | 2.0 | 1.7 | 1.9 | 2.1 | 4.1 | 3.7 | 4.2 | 2.5 | 2.8 | 3.7 | 11 | 54 | 19 | 5.2 | 5.5 | 3.2 |
| Total Concentration of VOCs | | 9.3 | 11 | 5.3 | 2.1 | 2.0 | 1.7 | 1.9 | 2.1 | 4.1 | 3.7 | 4.2 | 2.5 | 2.8 | 3.7 | 11 | 54 | 19 | 5.2 | 5.5 | 3.2 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-98-14 (Cont'd) | | | | | | | | 75-98-15 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Jul-06 | Aug-07 | Aug-08 | Aug-09 | Aug-10 | Aug-11 | Aug-12 | Mar-99 | (D)* | Apr-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | 0.78 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.1 | 1.6 | 1.2 | 1.9 | 1.2 | 1.4 | 1.4 | 1.4 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.3 | 7.9 | 4.0 | 8.4 | 4.1 | 5.6 | 3.4 | 4.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.4 | 11 | 5.2 | 10 | 5.3 | 7.0 | 4.8 | 6.2 | | 0.8 | | | | | | | | | | |
| Total Concentration of VOCs | | 5.4 | 11 | 5.2 | 10 | 5.3 | 7.0 | 4.8 | 6.2 | | 0.8 | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-98-15 (Cont'd) | | | | | | | 75-99-7 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-01 | Jan-02 | May-02 | Aug-02 | Jan-10 | Jul-11 | Jan-12 | Dec-99 | (D)* | Feb-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Sep-01 | Dec-01 | Feb-02 | May-02 | Aug-02 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.6 | 4.8 | 4.9 | 5.6 | 2.7 | 2.4 | 3.0 | 2.4 | 2.5 | 2.3 | 1.4 | <1 | 1.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 4.6 | 4.8 | 4.9 | 5.6 | 2.7 | 2.4 | 3.0 | 2.4 | 2.5 | 2.3 | 1.4 | | 1.6 |
| Total Concentration of VOCs | | | | | | | | | 4.6 | 4.8 | 4.9 | 5.6 | 2.7 | 2.4 | 3.0 | 2.4 | 2.5 | 2.3 | 1.4 | | 1.6 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-99-7 (Cont'd) | | | | | | | | | | 76-98-21 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Jul-09 | Feb-10 | Jan-11^ | Jan-12 | Jul-99 | (D)* | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 | Nov-00 | Feb-01 | May-01 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <1 | <0.5 | 1.4 | <1 | <1 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.5 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | 0.8 | 1.3 | <1 | 1.2 | <1 | 1.2 | <1 | 2.9 | 1.8 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.3 | 3.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 12.5 | 11 | 15 | 13.8 | 11.4 | 21.5 | 16.4 | 13.6 | 12.7 | 14.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.8 | 3.6 | 1.3 | | | | | | 0.8 | 1.3 | 13 | 12 | 16 | 15 | 11 | 24 | 18 | 14 | 13 | 15 |
| Total Concentration of VOCs | | 5.8 | 3.6 | 1.3 | | | | | | 0.8 | 1.3 | 13 | 12 | 16 | 15 | 11 | 24 | 18 | 14 | 13 | 15 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 76-98-21 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04* | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07 | Feb-08 | Aug-08 | Feb-09 | Jul-09 | Feb-10 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 0.61 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.5 | 1.1 | 1.6 | <1 | 1.7 | 1.0 | 2.1 | 1.9 | 2.2 | <1 | 1.8 | 2.9 | 2.6 | 2.0 | 1.9 | 2.3 | 2.0 | <1 | 1.7 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 3.0 | 1.7 | 0.89 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18.1 | 12.8 | 17.7 | 18.8 | 24.1 | 13.5 | 20 | 19 | 17.4 | 10.2 | 14.5 | 17.7 | 18.1 | 10.1 | 9.8 | 6.1 | 8.8 | 4.7 | 5.3 | 2.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 20 | 14 | 19 | 19 | 26 | 18 | 24 | 22 | 20 | 10 | 16 | 21 | 21 | 12 | 12 | 8.4 | 11 | 4.7 | 7.0 | 2.7 |
| Total Concentration of VOCs | | 20 | 14 | 19 | 19 | 26 | 18 | 24 | 22 | 20 | 10 | 16 | 21 | 21 | 12 | 12 | 8.4 | 11 | 4.7 | 7.0 | 2.7 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 76-98-21 (Cont'd) | | | | | 76-98-22 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-10 | Mar-11 | Jul-11 | Jan-12 | Aug-12 | Jan-99 | (D)* | May-99# | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00* | Nov-00 | Mar-01 | May-01 | Sep-01 | Nov-01 | Feb-02 | May-02 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.1 | 2.1 | 1.3 | <1 | 1.8 | <1 | 0.83 | <1 | <1 | <1 | 1.9 | 1.7 | 0.96 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.7 | 9.0 | 6.5 | 7.0 | 7.2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.8 | 11 | 7.8 | 7.0 | 9.0 | | 0.8 | | | | 1.9 | 1.7 | 1.0 | | 1.1 | | | | | |
| Total Concentration of VOCs | | 8.8 | 11 | 7.8 | 7.0 | 9.0 | | 0.8 | | | | 1.9 | 1.7 | 1.0 | | 1.1 | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 76-98-22 (Cont'd) Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Feb-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jul-05 | Jan-06 | Mar-07 | Jul-07 | Feb-08 | Aug-08 | Mar-09 | Jul-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 76-98-22 (Cont'd) | | | | | | MW76-1 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-10 | Aug-10 | Mar-11 | Aug-11 | Feb-12 | Aug-12 | Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | (D)* | Dec-94* | Mar-95* | Aug-95 | Mar-96 | Aug-96 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.63 | 0.64 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.52 | <0.5 | <1 | <1 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 0.55 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 4.75 | 1.19 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.66 | <0.5 | 1.3 | 1.7 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.4 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 13.4 | 9.4 | 11.1 | 7.6 | 5.8 | 4.9 | 8.5 | 2.3 | 3.9 | 21 | 12 | 6.1 | 5.6 | 8.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | 4.8 | <1 | <1 | 5.4 | 6.0 | 0.62 | <0.5 | 2.0 | 2.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 4.8 | 6.0 | 4.5 | 2.7 | 3.2 | 3.0 | 1.6 | 1.9 | 9.7 | 3.2 | 2.7 | 3.0 | 1.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 13 | 14 | 17 | 12 | 13 | 8.1 | 12 | 9.3 | 12 | 33 | 15 | 12 | 13 | 9.9 |
| Total Concentration of VOCs | | | | | | | | 13 | 14 | 17 | 12 | 13 | 8.1 | 12 | 9.3 | 12 | 38 | 16 | 12 | 13 | 9.9 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW76-1 (Cont'd) Dec-96* | Mar-97 | Jun-97 | Aug-97 | Feb-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Aug-00 | Mar-01 | Sep-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04 | Aug-04 | Feb-05 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | 0.64 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | 0.74 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.38 | | | | | | | | | | | | 1.1 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 0.70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 14 | 13.2 | 12.4 | 7.9 | 9.6 | 6.3 | 8.5 | 6.2 | 9.0 | 9.2 | 9.3 | 10.5 | 9.5 | 3.7 | 5.7 | 9.8 | 9.0 | 6.7 | 14.2 | 3.4 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 0.77 | <1 | <1 | 12.4 | <1 | <1 | <1 | <1 | <1 | <1 | 4.1 | <1 | <1 | <1 | 2.7 | 4.4 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.1 | 3.5 | 2.5 | 3.7 | 4.2 | 1.8 | 1.5 | 1.8 | 2.9 | 1.7 | 6.4 | 4.5 | 4.3 | 1.9 | 3.1 | 3.5 | 2.6 | 2.3 | 3.0 | <1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 18 | 17 | 15 | 24 | 14 | 8.1 | 10 | 8.0 | 12 | 11 | 20 | 15 | 14 | 5.6 | 12 | 18 | 12 | 9.0 | 17 | 3.4 |
| Total Concentration of VOCs | | 20 | 17 | 15 | 24 | 14 | 8.1 | 10 | 8.0 | 12 | 11 | 20 | 15 | 15 | 5.6 | 12 | 18 | 12 | 9.0 | 17 | 3.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW76-1 (Cont'd) | | | | | | | MW91-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-06* | Aug-07 | Aug-08 | Sep-08 | Jul-09 | Sep-10* | Jul-12* | Nov-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Aug-94 | Feb-95* | Sep-95 | Mar-96 | Mar-97 | Jun-97 | May-98* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | | <2 | <2 | <2 | <2 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <0.5 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 4.4 | 7.9 | <1 | 1.4 | 3.2 | 6.4 | 1.8 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | 0.56 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 6.3 | 7.9 | | 1.4 | 3.2 | 6.4 | 1.8 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 6.3 | 7.9 | | 1.4 | 3.2 | 6.4 | 1.8 | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW91-1 (Cont'd) | | | | | | | | | | | | | MW91-2 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-99 | Aug-00* | Jul-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Aug-07 | Jul-08 | Jul-09 | Jul-10 | Jul-12 | Nov-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | 1.6 | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10 | 3.7 | 6.1 | 3.2 | 5.7 | 2.6 | 3.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 15.1 | 4.5 | 6.0 | 5.3 | 5.6 | 4.6 | 5.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 18.8 | 19.2 | 23.3 | 18.4 | 20.9 | 16.7 | 21.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 16.8 | 8.6 | 9.0 | 5.4 | 6.1 | 7.5 | 5.1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | 61 | 36 | 44 | 32 | 38 | 31 | 35 |
| Total Concentration of VOCs | | | | | | | 1.6 | | | | | | | | 61 | 36 | 44 | 32 | 38 | 31 | 35 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW91-2 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-94 | Nov-94* | Feb-95* | Sep-95 | (D)* | Mar-96 | Aug-96 | Mar-97 | Sep-97 | Mar-98 | Sep-98 | Mar-99 | Sep-99 | Mar-00 | Sep-00 | Feb-01 | Sep-01 | Feb-02 | Sep-02 | Feb-03 | Aug-03* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 1.1 | 3.1 | 3.1 | 2.5 | 2.5 | 3.9 | 2.0 | 2.4 | 1.6 | 2.5 | 1.3 | 1.5 | 1.7 | 1.9 | 1.7 | 1.4 | 1.3 | 1.6 | 1.2 | 1.2 | 1.0 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | 1.6 | 3.5 | 3.7 | 4.3 | 3.2 | 4.6 | 1.8 | 2.9 | 1.5 | 3.6 | 1.3 | 1.6 | 1.4 | 1.9 | 1.2 | 1.0 | <1 | 1.3 | 1.1 | 1.1 | 0.81 |
| cis-1,2-Dichloroethene | 6 | 9.8 | 14 | 14 | 15.7 | 11 | 18.9 | 9.7 | 11.2 | 8.2 | 15.1 | 7.3 | 9.4 | 6.9 | 8.7 | 8.0 | 7.1 | 5.3 | 6.1 | 4.6 | 6.1 | 4.7 |
| trans-1,2-Dichloroethene | 10 | 3.7 | 3.5 | 4.2 | 7.2 | 4.8 | 7.1 | 1.8 | 2.2 | 2.0 | 4.9 | 1.3 | 1.8 | 1.8 | 2.3 | 1.1 | 1.0 | <1 | <1 | <1 | <1 | 0.65 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <0.5 | 6.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | 9.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <0.5 | <0.5 | <1 | <0.5 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 |
| Freon-113 | 1200 | <1 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 16 | 24 | 25 | 30 | 22 | 44 | 15 | 19 | 13 | 26 | 11 | 14 | 12 | 18 | 12 | 11 | 6.6 | 9.0 | 6.9 | 8.4 | 17 |
| Total Concentration of VOCs | | 16 | 24 | 25 | 30 | 22 | 44 | 15 | 19 | 13 | 26 | 11 | 14 | 12 | 18 | 12 | 11 | 6.6 | 9.0 | 6.9 | 8.4 | 17 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-2 (Cont'd) Nov-03 | (D)* | Feb-04 | Aug-04 | Jan-05 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07* | Feb-08 | Aug-08 | Feb-09 | Aug-09 | Feb-10 | Sep-10* | Feb-11 | Aug-11 | Feb-12 | Aug-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.2 | 1.1# | 1.3 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.83 | <1 | <1 | <1 | <1 | <1 | 0.76 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 0.94# | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.72 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.7 | 5.0# | 6.1 | 6.1 | 6.0 | 5.6 | 4.0 | 6.4 | 4.0 | 5.9 | 5.3 | 6.4 | 5.2 | 5.4 | 4.5 | 5.3 | 4.4 | 5.1 | 3.4 | 4.1 | 4.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 0.52 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.0 | 4.6 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11 | 12 | 9.3 | 7.3 | 7.1 | 5.6 | 4.0 | 6.4 | 4.0 | 7.5 | 7.4 | 6.4 | 5.2 | 5.4 | 4.5 | 5.3 | 5.2 | 5.1 | 3.4 | 4.1 | 4.3 |
| Total Concentration of VOCs | | 11 | 12 | 9.3 | 7.3 | 7.1 | 5.6 | 4.0 | 6.4 | 4.0 | 7.5 | 7.4 | 6.4 | 5.2 | 5.4 | 4.5 | 5.3 | 5.2 | 5.1 | 3.4 | 4.1 | 4.3 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-4 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-92 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Dec-94* | Feb-95* | May-95* | Sep-95 | Dec-95^ | (D)* | Mar-96 | Jun-96 | Aug-96 | Dec-96* | Mar-97 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 25.6 | 22.3 | 6.7 | 3.6 | 52.9 | 12.9 | <1 | 10.4 | 28 | 16 | 24 | 8.7 | 4.7 | 76 | 52 | 4.5 | 98.3 | 57.4 | 5.6 | 34.3 |
| n-Butylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Naphthalene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| Toluene | 150 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <2 | <2 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <6 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | 25.6 | 22.3 | 6.7 | 3.6 | 52.9 | 12.9 | | 10.4 | 29.1 | 16 | 24 | 8.7 | 4.7 | 76 | 52 | 4.5 | 98.3 | 57.4 | 5.6 | 34.3 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <5 | 5.4 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <6 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <5 | <1 | <1 | <1 | 8.2 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <5 | <5 | <1 | 1.0 | 1.0 | 1.3 | <1 | <1 | <1 | 0.52 | 0.61 | <0.5 | <1 | <5 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <10 | <3 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | 5.4 | 2.2 | 1.0 | 1.0 | 9.5 | | | | 0.5 | 0.6 | | | | | | | | | |
| Total Concentration of VOCs | | 26 | 28 | 8.9 | 4.6 | 54 | 22 | | 10 | 29 | 17 | 25 | 8.7 | 4.7 | 76 | 52 | 4.5 | 98 | 57 | 5.6 | 34 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-4 (Cont'd) Jun-97 | Sep-97 | Dec-97* | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Feb-02 | Sep-02 | Aug-03 | Aug-04 | Aug-05 | Sep-08 | Aug-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 11.1 | 47.7 | 12 | 32.2 | 31.4 | 31.6 | 43.5 | 36.2 | 23.9 | 10.5 | 5.5 | 43.2 | 24.4 | 36.2 | 22.8 | 11.2 | 15.6 | 17.5 | 11.6 | 14 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 11.1 | 47.7 | 12 | 32.2 | 31.4 | 31.6 | 43.5 | 36.2 | 23.9 | 10.5 | 5.5 | 43.2 | 24.4 | 36.2 | 22.8 | 11.2 | 15.6 | 17.5 | 11.6 | 14 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | 3.6 | | | 1.9 | | | | | |
| Total Concentration of VOCs | | 11 | 48 | 12 | 32 | 31 | 32 | 44 | 36 | 24 | 11 | 5.5 | 47 | 24 | 36 | 25 | 11 | 16 | 18 | 12 | 14 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | MW91-4 (Cont'd) | | | MWP-9 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-10 | Aug-11 | Aug-12 | Nov-92 | Mar-93 | (D) | May-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Dec-94* | Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96# | Mar-96# | Apr-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 37.8 | 48.4 | 38.1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 37.8 | 48.4 | 38.1 | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | 3.8 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | 1.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | 2.0 | 213 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | 78.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 2.0 | 297 | |
| Total Concentration of VOCs | | 38 | 48 | 38 | | | | | | | | | | | | | | | 2.0 | 297 | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-9 (Cont'd) May-96 | (D) | Jul-96 | Nov-96# | Dec-96 | Feb-97# | Feb-97# | Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Nov-98 | Jan-99 | Apr-99 | Aug-99 | Jul-00 | Jul-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 18 | <1 | 12.9 | 4.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 4.2 | <1 | 3.4 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 22 | | 16 | 5.6 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | 22 | | 16 | 5.6 | | | | | | | | | | | | | |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-9 (Cont'd) Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | May-05 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jul-10 | Jul-11 | Jul-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 1.1 | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | 1.1 | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.

(G) = Grab sample
(D) = Duplicate sample

< = Less than Quantitation Limit
= Compound not included in analysis
# = QA/QC problems

# Table 7-2
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-99 | Nov-99 | Nov-00 | Mar-01 | Oct-01 | Mar-02 | Sep-02* | Mar-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03* # | Aug-03 | Mar-04 | Aug-04* | Nov-04 | Jan-05 | Feb-05 | Mar-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | 1.2 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.54 | <1 | <1 | 0.7 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | 1.2 | | | 1.1 | | | | | | 0.54 | 1.8 | | 0.7 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 72 | 99.3 | 168.8 | 91.6 | 25.7 | 13 | 8.1 | 6.9 | 13.8 | 16.3 | 12.3 | 14.7 | 9.4 | 23.2 | 7.3 | 6.9 | 7.4 | 13.8 | 22.8 | 30.1 |
| trans-1,2-Dichloroethene | 10 | <1 | 1.1 | 2.0 | 1.7 | <1 | 1.0 | 1.1 | <1 | <1 | 1.1 | <1 | 1.0 | 0.86 | 1.2 | <1 | 0.76 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.9 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 1.6 | 2.4 | 29.9 | 26.9 | 39.4 | 32 | 38.6 | 17.2 | 30.4 | 36.4 | 34.8 | 26 | 43.1 | 44.1 | 34 | 44.8 | 37.5 | 27.4 | 22.7 |
| Total Halogenated Hydrocarbons | | 72 | 102 | 173 | 123 | 53 | 53 | 41 | 46 | 31 | 48 | 49 | 51 | 36 | 68 | 53 | 42 | 52 | 51 | 50 | 53 |
| Total Concentration of VOCs | | 72 | 102 | 173 | 124 | 53 | 53 | 42 | 46 | 31 | 48 | 49 | 51 | 37 | 69 | 53 | 42 | 52 | 51 | 50 | 53 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-05 | May-05 | May-05 | Jun-05 | Jul-05 | Aug-05 | Sep-05 * | Sep-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 | Dec-05 | Jan-06 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Apr-06 | Apr-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | 1.2 | 1.1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | 1.46 | | | | | | | 1.7 | | 1.2 | 1.1 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 35.2 | 44.1 | 36.5 | 35.3 | 44.1 | 31.1 | 16 | 14.7 | 22.3 | 21.3 | 22 | 20.2 | 18.6 | 12.3 | 17 | 15.1 | 16.1 | 38 | 26.9 | 16.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 | <1 | <1 | <1 | 1.2 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 29.9 | 21.6 | 20.6 | 20.5 | 21.1 | 28.4 | 35 | 51.6 | 36.4 | 32.2 | 28.8 | 20.7 | 37.3 | 41.2 | 33.3 | 32.6 | 30.9 | 22.4 | 25.3 | 40 |
| Total Halogenated Hydrocarbons | | 65 | 66 | 57 | 56 | 65 | 60 | 52 | 66 | 59 | 54 | 52 | 41 | 58 | 54 | 50 | 48 | 47 | 60 | 52 | 57 |
| Total Concentration of VOCs | | 65 | 66 | 57 | 56 | 65 | 60 | 53 | 66 | 59 | 54 | 52 | 41 | 58 | 55 | 50 | 49 | 48 | 60 | 52 | 57 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 (Cont'd) May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 | Aug-06 | Aug-06* | Sep-06 | Sep-06 | Oct-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | 1.0 | 1.0 | 0.91 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.92 | <1 | 1.0 | <1 | <1 | <1 | 0.98 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | 1.1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | 1.8 | 1.6 | 1.6 | 1.2 | 1.5 | 1.5 | 2.2 | <1 | <1 | 1.7 | 1.3 | 1.1 | <1 | <1 | <1 | 1.7 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | 1.1 | | | 2.8 | 2.6 | 2.51 | 2.3 | 1.5 | 1.5 | 2.2 | | | 2.62 | 1.3 | 2.1 | | | | 2.68 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 38.1 | 18 | 15.9 | 12.4 | 12.3 | 8.8 | 5.4 | 2.4 | 2.8 | 2.4 | 1.8 | <1 | 1.8 | 5.8 | 5.4 | 3.5 | 3.6 | 3.2 | 3.2 | 2.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | 0.72 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 | <1 | <1 | <1 | <1 | <1 | 0.6 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | 22 | 34.9 | 41 | 39.9 | 33 | 28 | 20 | 11.5 | 11.7 | 5.3 | 12.5 | 1.8 | 5.2 | 14 | 13 | 11.2 | 9.1 | 8.4 | 7.4 | 9.6 |
| Total Halogenated Hydrocarbons | | 60 | 53 | 57 | 52 | 45 | 37 | 26 | 14 | 15 | 7.7 | 14 | 1.8 | 7.0 | 21 | 18 | 15 | 13 | 12 | 11 | 13 |
| Total Concentration of VOCs | | 60 | 54 | 57 | 52 | 48 | 39 | 29 | 16 | 16 | 9.2 | 17 | 1.8 | 7.0 | 23 | 20 | 17 | 13 | 12 | 11 | 15 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Aug-08* | Sep-08 | Oct-08 | Nov-08 | Dec-08* | Jan-09 | Feb-09 | Mar-09 | Apr-09 | May-09 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.0 | 1.1 | <1 | 1.1 | 1.1 | 1.0 | <1 | 1.1 | 1.1 | <1 | 1.1 | 1.1 | 1.1 | <1 | 1.2 | <1 | 1.3 | 1.1 | 1.3 | 1.2 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <0.5 | <2 | <1 | <1 | <2 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.2 | 1.1 | | 1.1 | 1.1 | 1 | | 1.1 | 1.1 | | 1.1 | 1.1 | 1.1 | | 1.2 | | 1.3 | 1.1 | 1.3 | 1.2 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.1 | 1.4 | 1.5 | 1.0 | 1.3 | 2.3 | 1.6 | <1 | 2.4 | 2.4 | 3.6 | 4.9 | 6.9 | 2.6 | 6.1 | 8.5 | 6.5 | 8.0 | 10 | 7.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.62 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 8.8 | 6.0 | 4.6 | 4.6 | 3.6 | 5.5 | 4.3 | 3.6 | 3.8 | 3.3 | 5.2 | 5.7 | 5.9 | 3.2 | 6.9 | 5.2 | 4.6 | 7.1 | 6.2 | 5.9 |
| Total Halogenated Hydrocarbons | | 11 | 7.4 | 6.1 | 5.6 | 4.9 | 7.8 | 5.9 | 3.6 | 6.2 | 5.7 | 8.8 | 11 | 13 | 5.8 | 14 | 14 | 11 | 15 | 16 | 14 |
| Total Concentration of VOCs | | 13 | 8.5 | 6.1 | 6.7 | 6.0 | 8.8 | 5.9 | 4.7 | 7.3 | 5.7 | 9.9 | 12 | 14 | 5.8 | 15 | 14 | 12 | 16 | 18 | 15 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-09 | Jul-09 | Aug-09 | Sep-09 | Oct-09 | Nov-09 | Jan-10 | Feb-10 | Mar-10 | Apr-10 | May-10 | Jul-10 | Aug-10 | Sep-10* | Oct-10 | Nov-10 | Dec-10 | Jan-11^ | Feb-11 | Mar-11 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.3 | 1.2 | 1.1 | 1.2 | 1.0 | 1.2 | 1.2 | 1.3 | 1.2 | 1.1 | 1.2 | <1 | 1.0 | 1.0 | 1.1 | 1.2 | 1.1 | 1.2 | 1.1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <2 | <1 | <1 | <2 | <1 | <2 | <1 | <1 | <2 | <1 | <2 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 1.3 | 1.2 | 1.1 | 1.2 | 1.0 | 1.2 | 1.2 | 1.3 | 1.2 | 1.1 | 1.2 | | 1 | 1 | 1.1 | 1.2 | 1.1 | 1.2 | 1.1 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <1 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.5 | 6.0 | 9.1 | 3.9 | 9.4 | 15.1 | 8.8 | 4.7 | 6.8 | 2.7 | 6.3 | 1.6 | 5.1 | 4.5 | 7.5 | 9.7 | 5.3 | 7.4 | 8.2 | 6.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 5.7 | 5.4 | 6.1 | 3.9 | 7.4 | 7.5 | 5.0 | 3.7 | 4.6 | 2.4 | 4.4 | 2.4 | 4.7 | 4 | 3.6 | 6.2 | 3.9 | 4.6 | 4.8 | 4.5 |
| Total Halogenated Hydrocarbons | | 13 | 11 | 15 | 7.8 | 17 | 23 | 14 | 8.4 | 11 | 5.1 | 11 | 4.0 | 9.8 | 8.5 | 11 | 16 | 9.2 | 13 | 13 | 11 |
| Total Concentration of VOCs | | 15 | 13 | 16 | 9.0 | 18 | 24 | 15 | 9.7 | 13 | 6.2 | 12 | 4.0 | 11 | 9.5 | 12 | 17 | 10 | 14 | 14 | 11 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-99-1 (Cont'd) | | | | | | | | | | SB69A-00-1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-11 | May-11 | Jul-11 | Sep-11 | Nov-11* | Jan-12 | Mar-12 | May-12 | Jul-12 | Sep-12 | Mar-02 | Jun-02 | Oct-02 | Aug-03 | Mar-05 | Sep-05 | Mar-06 | Sept-06* | Dec-06 | Mar-07* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.0 | <1 | <1 | <1 | 1.1 | 1.0 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| Toluene | 150 | <2 | <1 | <2 | <1 | <0.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 8.1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 |
| Total Aromatic Hydrocarbons | | 1 | | | | 1.1 | 1.0 | 1.0 | | | | | | | | | | | | | 8.6 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 1.6 | 3.3 | 3.5 | 1.9 | 1.7 | 1.5 | <1 | 2.6 | 3.5 | 1.2 | 64.1 | 51.6 | 22.4 | 27.9 | 6.6 | <1 | 9.0 | 14 | 8.8 | 6.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 0.77 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.95 | 1.4 | 1.7 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | |
| Vinyl Chloride | 0.5 | 1.5 | 6.8 | 14.1 | 7.2 | 4.0 | 3.3 | 1.3 | 9.4 | 10.1 | 5.2 | <1 | <1 | <1 | <1 | 2.6 | <1 | 1.4 | 6.3 | 4.9 | 3.2 |
| Total Halogenated Hydrocarbons | | 3.1 | 10 | 18 | 9.1 | 6.5 | 4.8 | 1.3 | 12 | 15 | 6.4 | 64 | 52 | 22 | 28 | 9.2 | | 10 | 21 | 15 | 11 |
| Total Concentration of VOCs | | 4.1 | 10 | 18 | 9.1 | 7.6 | 5.8 | 2.3 | 12 | 15 | 6.4 | 64 | 52 | 22 | 28 | 9.2 | | 10 | 67≈ | 15 | 190≈ |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB69A-00-1 (Cont'd) | | | | | | | | | | | SB75-02-1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-07 | Feb-08 | Sep-08 | Mar-09 | Aug-09 | Mar-10 | Sep-10* | Feb-11 | Sep-11 | Feb-12 | Sep-12 | Jul-02 | Oct-02* | Nov-02 | Feb-03 | May-03 | Sep-03 | Dec-03* | Jan-04 | Jan-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.53 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | 2.2 | <1 | <1 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 2.2 | | | | | 0.53 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | 7.8 | 5.6 | 9.2 | 6.2 | 7.6 | 7.2 | 3.9 | 6.1 | 7.2 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 3.9 | 3.8 | 3.0 | 3.6 | 3.4 | 3.5 | 2.9 | 2.6 | 2.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.65 | <1 | <1 | <1 | <1 | 0.53 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.3 | 9.1 | 3.7 | 31.9 | 8.1 | 9.2 | 5.0 | 6.1 | 2.4 | 7.0 | 19.9 | 24.2 | 35 | 17.9 | 44.7 | 40.3 | 52 | 45 | 42.5 | 42 |
| trans-1,2-Dichloroethene | 10 | 2.1 | <1 | <1 | <1 | 1.2 | 1.1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.62 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 15.2 | 16 | 11.2 | 12.4 | 11.3 | 12.9 | 12 | 10.7 | 9.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 |
| Freon-123A | | <1 | <1 | | | | | | | | | | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.6 | <1 | <1 | 7.4 | 4.8 | 3.9 | 2.7 | 1.5 | 1.8 | 2.1 | 3.6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.0 | 9.1 | 3.7 | 39 | 14 | 14 | 8.8 | 7.6 | 4.2 | 9.1 | 24 | 51 | 62 | 41 | 67 | 63 | 76 | 64 | 62 | 62 |
| Total Concentration of VOCs | | 5.0 | 11 | 3.7 | 39 | 14 | 14 | 22≈ | 7.6 | 4.2 | 9.1 | 24 | 51 | 62 | 41 | 67 | 63 | 76 | 64 | 62 | 62 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB75-02-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-04 | Feb-04 | Feb-04 | Feb-04 | Mar-04 | Apr-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Oct-04 | Feb-05 | May-05 | Jul-05 | Sep-05 | Nov-05 | Mar-06 | May-06 | Sept-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | 6.8 | 10.7 | 7.0 | 4.7 | 4.0 | 4.5 | 7.3 | 5.5 | 3.4 | 4.6 | 6.9 | 5.8 | 8.4 | 4.5 | 7.0 | 7.9 | 7.7 | <3 | 5.1 | 3.8 |
| 1,1-Dichloroethane | 5 | 3.1 | 2.8 | 3.2 | 3.3 | 4.1 | 2.8 | 3.1 | 3.7 | 3.7 | 4.0 | 3.5 | 2.8 | 2.6 | 3.0 | 2.1 | 1.6 | 2.0 | <1 | 2.0 | 2.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 1.4 | 1.2 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | 0.7 |
| cis-1,2-Dichloroethene | 6 | 58.9 | 36.3 | 56.4 | 71 | 76.7 | 52.6 | 50.5 | 64.7 | 94.6 | 84.4 | 71.8 | 58.9 | 38.8 | 72.7 | 43.1 | 34.9 | 50.7 | <1 | 64.8 | 74 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.85 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 12.2 | 9.1 | 11.2 | 14.5 | 16.9 | 14.3 | 12.1 | 11.1 | 12.9 | 16.4 | 11.8 | 11 | 9.0 | 12 | 7.4 | 5.5 | 8.0 | <1 | 9.4 | 11 |
| Freon-113 | 1200 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 81 | 60 | 79 | 94 | 102 | 74 | 74 | 85 | 115 | 109 | 94 | 79 | 59 | 94 | 60 | 50 | 70 | | 81 | 93 |
| Total Concentration of VOCs | | 81 | 60 | 79 | 94 | 102 | 74 | 74 | 85 | 115 | 109 | 94 | 79 | 59 | 94 | 60 | 50 | 70 | | 81 | 93 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB75-02-1 (Cont'd) | | | | | | | | | | | | | | | SB75A-09-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-06 | Mar-07* | May-07 | Sep-07* | Feb-08 | Sep-08 | Jan-09 | Mar-09 | Sep-09 | Mar-10 | Sep-10* | Mar-11 | Sep-11 | Mar-12 | Sep-12* | Sep-09 | Nov-09 | Mar-10 | Sep-10* | Nov-10* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | |
| sec-Butylbenzene | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | |
| ter-Butylbenzene | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | |
| Chlorobenzene | 70 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 2.4 | 2.7 | 2.7 | 2.4 | 2.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | |
| p-Isopropyltoluene | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | | |
| n-Propylbenzene | | <1 | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | | |
| Toluene | 150 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 2.4 | 2.7 | 2.7 | 2.4 | 2.5 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Chloroethane | | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 |
| Chloroform | 80 | 5.6 | 3.1 | 5.0 | 4.0 | 3.0 | <3 | <3 | <3 | <3 | <3 | 2.4 | <3 | <3 | <3 | 1.9 | 4.2 | <3 | <3 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | 2.0 | 2.9 | 2.5 | 2.8 | 2.5 | 2.6 | 3.1 | 3.5 | 2.5 | 2.3 | 2.8 | 2.3 | 2.6 | 2.6 | 2.6 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 0.7 | <1 | 0.73 | <1 | <1 | <1 | <1 | <1 | <1 | 0.52 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.86 | 0.62 |
| cis-1,2-Dichloroethene | 6 | 50.9 | 74 | 65.8 | 80 | 74.6 | 75.7 | 97.3 | 92.5 | 74.6 | 69.7 | 82 | 68.6 | 85.9 | 83.8 | 70 | 144 | 208 | 221 | 210 | 180 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.87 | <1 | 0.84 | <1 | <1 | <1 | <1 | <1 | <1 | 0.84 | <1 | <1 | <1 | 0.71 | 4.4 | 3.7 | 3.3 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.79 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.68 | 1.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Trichloroethene | 5 | 7.7 | 11 | 8.9 | 10 | 11.3 | 10.2 | 11.4 | 13.8 | 10.4 | 9.5 | 12 | 9.7 | 10.7 | 9.9 | 11 | 4.9 | 7.6 | 5.4 | 5.5 | 5.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Freon-123A | | <1 | | <1 | | <1 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | 2.5 | <1 | 1.1 | 0.81 | 0.53 |
| Total Halogenated Hydrocarbons | | 66 | 93 | 82 | 98 | 91 | 89 | 112 | 110 | 88 | 82 | 101 | 81 | 99 | 96 | 86 | 160 | 219 | 231 | 218 | 188 |
| Total Concentration of VOCs | | 66 | 93 | 82 | 98 | 91 | 89 | 112 | 110 | 88 | 82 | 101 | 81 | 99 | 96 | 86 | 162 | 222 | 234 | 220 | 190 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB75A-09-1 (Cont'd) | | | | SB75A-09-2 | | | | | | | | | SB77-02-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-11 | Sep-11 | Mar-12 | Sep-12* | Sep-09 | Nov-09 | Mar-10 | Sep-10* | Nov-10 | Mar-11 | Sep-11 | Mar-12 | Sep-12* | Oct-02 | Nov-02 | May-03 | Mar-07* | Sep-08 | Sep-11 | Sep-12* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | 1.1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <0.5 | <1 | <1 | | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <0.5 | <1 | <1 | | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <0.5 | <1 | <1 | | <1 | <1 | |
| Chlorobenzene | 70 | 1.8 | 2.0 | 1.2 | 1.6 | 1.6 | 1.6 | 3.4 | 3.7 | 3.0 | 3.3 | 3.4 | 2.8 | 3.0 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <0.5 | <2 | <2 | | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <0.5 | <1 | <1 | | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <0.5 | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <0.5 | <2 | <2 | | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <0.5 | <1 | <1 | | <1 | <1 | |
| Toluene | 150 | <2 | <1 | <1 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | 1.8 | 2 | 1.2 | 1.6 | 1.6 | 1.6 | 3.4 | 4.7 | 3 | 3.3 | 3.4 | 2.8 | 4.1 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | 4.3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 166 | 201 | 154 | 190 | 160 | 177 | 206 | 210 | 194 | 159 | 137 | 141 | 94 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | 2.8 | 3.3 | 1.9 | <0.5 | 2.3 | 1.9 | 3.5 | <0.5 | 2.7 | 2.8 | 2.9 | 1.4 | 2.1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | 3.7 | 4.0 | 2.0 | 0.88 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 3.4 | 3.5 | 1.7 | 2.3 | 1.9 | 1.7 | <1 | 1.5 | 2.0 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <05 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | | | | | | | | | <0.5 | <1 | <1 | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | 1.6 | 1.0 | 11.6 | 7.1 | 38.4 | 25 | 39.3 | 51.9 | 82.2 | 10 | 21 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 172 | 208 | 159 | 193 | 184 | 192 | 250 | 237 | 238 | 214 | 222 | 152 | 117 | | | | | | | |
| Total Concentration of VOCs | | 174 | 210 | 160 | 195 | 185 | 193 | 253 | 242 | 241 | 217 | 226 | 155 | 121 | | | | | | | |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | W76-97-3 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-97 | Mar-98 | Aug-98 | Mar-99 | Oct-99 | Mar-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02* | Sep-03 | Sep-04 | Oct-05 | Mar-06* | Mar-07* | Mar-08 | Mar-09 | Mar-10 | Mar-11 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | 1.1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | 1.1 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <0.5 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | 1.0 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | 0.52 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 3.2 | 1.3 | 2.3 | <1 | 2.1 | 1.5 | <1 | 1.2 | 1.2 | <1 | <1 | <1 | 1.9 | <0.5 | 1.2 | <1 | 1.1 | 1.2 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 14.9 | 34.9 | 17.6 | 26.1 | 14.9 | 14.9 | 24.6 | 15.4 | 30.6 | 19 | 20.4 | 14.2 | 17 | 29 | 11 | 17.5 | 14.5 | 14.8 | 12.2 | 13.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 15 | 40 | 19 | 28 | 15 | 17 | 28 | 15 | 32 | 21 | 20 | 14 | 17 | 31 | 11 | 19 | 15 | 16 | 13 | 13 |
| Total Concentration of VOCs | | 15 | 40 | 19 | 28 | 15 | 17 | 28 | 15 | 32 | 21 | 20 | 14 | 17 | 31 | 11 | 19 | 15 | 16 | 15 | 13 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | W76-97-4 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-97 | Mar-98 | Aug-98 | Mar-99 | Oct-99 | Mar-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02* | Sep-03 | Sep-04 | Oct-05 | Mar-06* | Mar-07* | Mar-08 | Mar-09 | Mar-10 | Mar-11 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <0.5 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.67 | 0.55 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | 6.8 | <1 | <1 | <1 | 2.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 4.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 11 | | | | 2.0 | | | | | | | | 0.7 | 0.6 | | | | | |
| Total Concentration of VOCs | | | 11 | | | | 2.0 | | | | | | | | 0.7 | 0.6 | | | | | |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | W76-97-5 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-97 | Mar-98 | Aug-98 | Mar-99 | Oct-99 | Mar-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02* | Sep-03 | Sep-04 | Oct-05 | Mar-06* | Mar-07* | Mar-08 | Mar-09 | Mar-10 | Mar-11 | Mar-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.1 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 1.1 | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <0.5 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | 1.5 | 3.7 | 1.8 | 1.6 | 3.1 | 1.8 | 1.8 | 1.7 | 2.6 | 3.5 | 2.0 | 2.2 | 1.6 | 1.7 | 1.3 | 1.7 | 1.2 | <1 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 1.2 | <1 | <1 | 5.7 | <1 | <1 | <1 | 0.52 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.5 | 4.9 | 1.8 | 1.6 | 8.8 | 1.8 | 1.8 | 1.7 | 3.1 | 3.5 | 2.0 | 2.2 | 1.6 | 1.7 | 1.3 | 1.7 | 1.2 | | 1.4 |
| Total Concentration of VOCs | | | 1.5 | 4.9 | 1.8 | 1.6 | 8.8 | 1.8 | 1.8 | 1.7 | 4.2 | 3.5 | 2.0 | 2.2 | 1.6 | 1.7 | 1.3 | 1.7 | 1.2 | | 1.4 |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
≈:Total concentration include other chemicals, detail shown on Table 10.

*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
< = Less than Quantitation Limit
= Compound not included in analysis

# = QA/QC problems

# Table 8
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-26 Oct-92 | (D)^ | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Oct-93 | Mar-94 | Aug-94 | (D)* | Feb-95* | Aug-95 | Feb-96 | Jul-96 | Feb-97 | Feb-97 | May-97 | Nov-97 | May-98* | Jan-99* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| n-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| sec-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| ter-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Isopropylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| p-Isopropyltoluene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Naphthalene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| n-Propylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Toluene | 150 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,3,5-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Chloroform | 80 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 1.1 | 23.2 | 5.2 | <1 | <1 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Trichloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | 5.1 | 1.4 | <1 | <1 | <0.5 | <0.5 |
| Freon-113 | 1200 | <1 | | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Vinyl Chloride | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | 1.1 | 28 | 6.6 | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | 1.1 | 28 | 6.6 | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-26 (Cont'd) Apr-99 | Aug-99# | Aug-99 | Oct-99 | Jan-00 | May-00 | Aug-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 | Jul-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Oct-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | 5.4 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 5.4 | | | | | | | | | 1.5 | | | | | | | | | |
| Total Concentration of VOCs | | | 5.4 | | | | | | | | | 1.5 | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-26 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <3 | <1 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-27 Oct-92 | (D)^ | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Dec-94* | Feb-95* | May-95* | Aug-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Dec-96 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| sec-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| ter-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| Ethylbenzene | 300 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| Isopropylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| p-Isopropyltoluene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| n-Propylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| Toluene | 150 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 |
| Xylenes, total | 1750 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | 5.3 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 7.4 | | | | | | | | | 1.8 | | |
| Total Concentration of VOCs | | | | | | | | | 7.4 | | | | | | | | | 1.8 | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-27 (Cont'd) Feb-97 | Feb-97 | May-97 | Feb-98 | Aug-98 | Jan-99* | Aug-99 | Oct-99 | Jan-00 | May-00 | Aug-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 | Jul-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 11.2 | 7.7 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.7 | 2.1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 14 | 9.8 | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 14 | 9.8 | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 62-92-27 (Cont'd) Oct-02 | Jan-03 | Apr-03 | Jul-03 | Oct-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 62-92-27 (Cont'd) | | | | | | | 74-94-7 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-09 | Feb-10 | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Jun-94* | (D)^ | Aug-94 | Dec-94* | Feb-95* | May-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | 0.63 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | 1.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1.0 | <10 | <1 | <1 | 1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 3.23 | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <3 | <1 | <0.5 | <3 | <3 | <3 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | 0.87 | <0.5 | <1 | <1 | 2.5 | 2.9 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <0.5 | | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <10 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | 0.9 | | | | 2.5 | 2.9 | | |
| Total Concentration of VOCs | | | | | | | | | | | | | 4.1 | | | | 2.5 | 2.9 | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 74-94-7 (Cont'd) Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Jan-99 | Apr-99 | Aug-99 | Oct-99 | Jan-00 | May-00 | Aug-00 | Nov-00 | Jan-01 | May-01 | Jul-01* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 74-94-7 (Cont'd) Nov-01 | Jan-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 74-94-7 (Cont'd) | | | | | | | | | | | | 74-94-8 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Jul-10 | Jan-11^ | Jul-11 | Feb-12 | Jun-12 | Jul-12 | Jun-94* | (D)^ | Aug-94 | Sep-94 | Dec-94* | Feb-95* | May-95* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1.0 | <10 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <3 | <1 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.8 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | 1.8 | | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | 1.8 | | | 1.8 | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | 1.8 | | | 1.8 | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 74-94-8 (Cont'd) Sep-95 | Nov-95 | Mar-96 | May-96 | Aug-96 | Dec-96 | Mar-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | Jun-98 | Aug-98 | Nov-98 | Jan-99* | May-99 | Aug-99 | Nov-99 | Jan-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 74-94-8 (Cont'd) May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Jul-01* | Nov-01 | Jan-02 | Apr-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Oct-03 | Jan-04 | May-04 | Jul-04 | Oct-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 1.8 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | 1.8 | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 74-94-8 (Cont'd) | | | | | | | | | | | | | | 74-95-6 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Aug-11 | Jul-12 | Aug-95 | Aug-95† | (S)* | Aug-97 | Nov-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <10 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <1 | <5 | <0.5 | 3.2 | 2.1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 3.2 | 2.1 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | 3.2 | 2.1 |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 74-95-6 (Cont'd) Mar-98 | Jun-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-00 | Aug-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Jul-08 | Jul-09 | Jan-10 | Jul-10 | Jan-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | 12.0 | <1 | 3.6 | <1 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 12.0 | | 3.6 | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | 12.0 | | 3.6 | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | CD-92-28 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-93 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | (D)* | Jun-94 | Aug-94 | Dec-94* | Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96# | Dec-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | 2.7 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 4.2 | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | 4.2 | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | CD-92-28 (Cont'd) Feb-97# | Feb-97 | May-97 | Jul-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Oct-98 | Jan-99 | Apr-99 | Aug-99 | Oct-99 | Jan-00 | Apr-00 | Jul-00 | Oct-00 | Jan-01 | May-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.3 | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 1.3 | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | CD-92-28 (Cont'd) Jul-01* | Nov-01 | Jan-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Feb-04 | May-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | 1.4 | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | 1.4 | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | CD-92-28 (Cont'd) | | | | | | | | | | | | | | OW3-225 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Jul-10 | Mar-11 | (D)* | Jul-11 | Jan-12 | Jul-12 | Dec-92 | Jun-93 | Aug-93 | Nov-93 | Mar-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <3 | <1 | <3 | <0.5 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | OW3-225 (Cont'd) May-94 | Aug-94 | Dec-94* | (D)* | Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97# | Feb-97 | Apr-97 | Jul-97 | Nov-97 | Jan-98 | May-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | 201 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 201 | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 30.1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | 0.51 | 0.57 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 0.5 | 0.6 | | | | | | | | | 33 | | | | | | |
| Total Concentration of VOCs | | | 201 | 0.5 | 0.6 | | | | | | | | | 33 | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | OW3-225 (Cont'd) Aug-98 | Nov-98 | Jan-99 | Apr-99 | Aug-99 | Oct-99 | Jan-00 | May-00 | Aug-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | May-02 | Jul-02 | Oct-02 | Jan-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | OW3-225 (Cont'd) Apr-03 | Jul-03 | Oct-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Feb-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | OW3-225 (Cont'd) | | | | | MWP-2 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-10 | Jan-11^ | Jul-11 | Jan-12 | Jul-12 | Nov-92 | Mar-93 | (D) | May-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Sep-94 | Nov-94* | Feb-95* | May-95* | Sep-95 | Nov-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Naphthalene | | <2 | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <2 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 1.1 | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | 1.1 | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-2 (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-96 | May-96 | Jul-96 | Jul-96 | Dec-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Oct-98 | Jan-99 | Apr-99 | Aug-99 | Oct-99 | Jan-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | 5.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 5.9 | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | 5.9 | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-2 (Cont'd) May-00 | Jul-00 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Jan-02 | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-2 (Cont'd) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-04 | Nov-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Feb-07 | Jul-07 | Jan-08 | Jul-08 | Jan-09 | Jul-09 | Jan-10 | Aug-10 | Jan-11^ | Jul-11 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 | <1 | <3 | <1 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.

(D) = Duplicate sample
# = QA/QC problems

< = Less than Quantitation Limit
= Compound not included in analysis

# Table 9
## Hydrauger Monitoring Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | 51-01-01 | | | | | | | | 51-01-02 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | (D) | Feb-12 | (D) | May-12 | (D) | Aug-12 | (D) | Nov-11 | Feb-12 | May-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 7.4 | 7.5 | 4.4 | 4.6 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 1.6 | 1.2 | 1.4 |
| Freon-11 | | | | | | | | | | | | | |
| Freon-113 | 1200 | 1.4 | 1.4 | 3.7 | 3.4 | 1.3 | 1.3 | 2.5 | 2.6 | <1 | <1 | <1 | 1.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.8 | 8.9 | 8.1 | 8.0 | 1.3 | 1.3 | 2.5 | 2.6 | 1.4 | 1.6 | 1.2 | 2.9 |
| Total Concentration of VOCs | | 8.8 | 8.9 | 8.1 | 8.0 | 1.3 | 1.3 | 2.5 | 2.6 | 1.4 | 1.6 | 1.2 | 2.9 |

# Table 9 (Cont'd)
## Hydrauger Monitoring Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2012
**(concentrations in µg/L)**

| Constituent | MCL | 51-01-03 | | | | | | | | 51-01-04 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-11 | (D)^ | Feb-12 | (D)^ | May-12 | (D)^ | Aug-12 | (D)^ | Nov-11 | Feb-12 | May-12 | Aug-12 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Chlorobenzene | 70 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | | <2 | | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | | <2 | | <2 | | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | | <1 | | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <1 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 7.8 | 8.0 | <3 | <0.5 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloroethane | | <30 | <0.5 | <30 | <0.5 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | 0.7 | <1 | <0.5 | <1 | 0.6 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | 0.5 | <1 | 1.0 | <1 | 0.9 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <0.5 | <1 | 0.5 | <1 | 0.5 | <1 | <1 | <1 | <1 |
| Freon-11 | | | <1 | | <1 | | <1 | | <1 | | | | |
| Freon-113 | 1200 | 1.5 | <2 | <1 | <2 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 9.3 | 8.0 | | 1.2 | | 1.5 | | 2.0 | | | | |
| Total Concentration of VOCs | | 9.3 | 8.0 | | 1.2 | | 1.5 | | 2.0 | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
^= Analysis by other Laboratories.

< = Less than Quantitation Limit
= Compound not included in analysis
(D) = Duplicate sample

# Table 10
## Minor Chemical Detections in Site-Wide Wells
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-3 | MW90-4 | 7-92-16 | 7-92-19 | 7-94-3 | 7-95-23 | 7B-95-24 | 25-98-10 | 31-97-17 | 51-96-16 | 51-96-17 | 51-96-18 | 51-00-8 | 51-00-9 | 51-00-10 | 52-95-2A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | 1.2/Jan-01 | 0.5/Jun-01 | | | | | | | | | |
| Hexachlorobutadiene | | | | | | 0.7/Dec-94 | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | 0.6/Aug-00 | | | | | | | |
| 1,2,3-Trichlorobenzene | 150 | | | 5.7/Jan-02 | | | | 52/Mar-02 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 5 | | | 31/Mar-93<br>0.8/May-95<br>1.1/Jan-02 | | | | | | | | | | | | | |
| 1,2,3-Trichloropropane | | 1.1/Dec-95 | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromoform | 80 | | | | | | | | | | | | | | | | |
| Bromomethane | | | | | | | | 2.2/Sep-01 | | | | | | | | | |
| Chloromethane | | | | 2.0/Nov-00 | | | | | | | | | | | | | |
| 2-Chlorotoluene | | | | | | | | | | | | | | | | | |
| Dibromochloromethane | 80 | | | | 2.3/Aug-93 | | | | 0.55/Sep-09* | | | | | | | | 0.51/Aug-06* |
| Dibromomethane | | | | | | | 0.7/Dec-00<br>2.1/Jan-01<br>0.9/Sep-01 | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | | | | 6.3/Jan-02 | | | | | | | | | | | | | |
| 2,2-Dichloropropane | | | 1.7/Jul-10 | | | | | | | | | | 1.3/July-07 | | 2.5/Sep-12 | 2.9/Sep-12 | |
| Freon-11 | 150 | | | | | | | | | | | | | | | | |
| Freon-12 | | | | | | | | | | | | | | | | | |
| Freon-114 | | | | | | | | | | | | | | | | | |
| **Other** | | | | | | | | | | | | | | | | | |
| 1,4-Dioxane | | | | | | | | | | | | | | | | | |
| Acetone | | | | | | | | | | | 26/Aug-06*<br>15/Mar-07*<br>32/Sep-07*<br>30/Mar-08*<br>14/Aug-08*<br>11/Dec-08* | 50/Aug-06* | | 26/Sep-07* | | | |
| Methyl Ethyl Ketone | | | | | | | | | | | 150/Aug-06*<br>23/Mar-07*<br>52/Sep-07*<br>33/Mar-08*<br>11/Aug-08* | 360/Aug-06* | | | | | |
| Carbon Disulfide | | | | | | | | | | | | | | | | | |

# Table 10 (Cont'd)
## Minor Chemical Detections in Site-Wide Wells
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52B-95-13 | 53-95-12 | 58-95-19 | 58-96-11 | 58-00-12 | 63-98-18 | 71B-99-3R | SB16-97-11 | SB27-96-1 | SB51L-98-1A | SB64-98-8 | SB64-99-4 | SB64-99-6 | SB64-00-1 | SB64-00-2 | SB64-02-1A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | 0.6/Jul-03 | | | | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | | | | | | 740/Jun-01 | | 5.8/Apr-01 | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | 150 | | | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 5 | | | | | | | | | | | | | | | | |
| 1,2,3-Trichloropropane | | | | | 15/Sep-00 | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Bromoform | 80 | | | | | | | | | | | | | | | 1.4/Aug-06* | |
| Bromomethane | | | | | | | | | | | | | | | | | |
| Chloromethane | | | | | | | | | | | | | | | | | |
| 2-Chlorotoluene | | | | | | | | | | | | | | | 6.2/Mar-01 | | |
| Dibromochloromethane | 80 | | 0.5/Aug-06* | | 1.3/Aug-06* | | 0.6/Mar-99 | | | | | | | | | | |
| Dibromomethane | | | | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | | | | | | | | | | | | | | | | | |
| 2,2-Dichloropropane | | 2.1/Feb-05<br>1.3/Sep-12 | | 2.4/Sep-12 | 30/Jul-00 | | | | 1.4/Mar-08 | 1.6/Oct-09 | 2.3/Mar-10<br>1.6/May-10<br>3.2/Nov-10 | | | 1.5/Sep-12 | | | |
| Freon-11 | 150 | | | | | | | | | | | | | | | | |
| Freon-12 | | | | | | | | | | | | | | | | | |
| Freon-114 | | | | | | | | | | | | | | | | | |
| **Other** | | | | | | | | | | | | | | | | | |
| 1,4-Dioxane | | | | | | | | | | | | 350/Aug-06* | 410/Aug-06* | | 290/Aug-06* | 110/Aug-06* | 12000/Mar-06*<br>11000/April-06*<br>4100/Mar-07*<br>4400/Sep-07*<br>4400/Sep-07(D)* |
| Acetone | | | | | | | | | | | | | | | | | |
| Methyl Ethyl Ketone | | | | | | | | | | | | | | | | | |
| Carbon Disulfide | | | | | | 2.2/Dec-06* | | | | | | | | | | | |

# Table 10 (Cont'd)
## Minor Chemical Detections in Site-Wide Wells
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | SB64-02-1B | SB64-02-1C | SB64-02-1D | SB64-02-1F | SB64-02-2A | SB64-02-2B | SB64-02-2F | SB64-03-1A | SB64-03-1B | SB64-03-4 | SB69A-00-1 | SB71B-99-1 | SB71B-03-1 | SB71B-03-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | | | | | | | | |
| Hexachlorobutadiene | | | | | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | 150 | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 5 | | | | | | | | | | | | | | |
| 1,2,3-Trichloropropane | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | |
| Bromoform | 80 | | | | | | | | | | | | 1.6/Aug-06* | | |
| Bromomethane | | | | | | | | | | | | | | | |
| Chloromethane | | | | | | | | | | | | | | | |
| 2-Chlorotoluene | | | | | | | | | | | | | | | |
| Dibromochloromethane | 80 | | | | | | | | | | | | | | |
| Dibromomethane | | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | | | | | | | | | | | | | | | |
| 2,2-Dichloropropane | | | | | | | | | | 2.6/Nov-06<br>2.4/Dec-06<br>2.2/Jan-07<br>1.2/May-07<br>1.0/June-09 | | | | | |
| Freon-11 | 150 | | | | | | | | | | | | | 0.6/Jun-03<br>0.6/Jul-03<br>1.6/May-04 | |
| Freon-12 | | | | | | | | | | | | | | | |
| Freon-114 | | | | | | | | | | 17.8/Jun-03<br>17.8/Jun-03<br>18.2/Jul-03<br>15.8/Jul-03 | | | | | |
| **Other** | | | | | | | | | | | | | | | |
| 1,4-Dioxane | | 330/Mar-06*<br>260/Mar-07*<br>440/Sep07* | 810/Mar-06*<br>770/Mar-07*<br>1100/Sep-07* | 140/Mar-06*<br>110/Sep-07* | 110/Mar-06* | 650/Mar-06*<br>310/Mar-07*<br>180/Sep-07* | 670/Sep-07* | 390/Mar-06*<br>580/Mar-07*<br>610/Sep-07* | 210/Mar-06* | 290/Aug-06*<br>110/Jun-10* | 120/Sep-06*<br>230/Sep07*<br>130/Sep-10* | | | | |
| Acetone | | 15/Sep-07* | | | | | | | | | | 46/Sep-06*<br>170/Mar-07*<br>13/Sep-10* | | | 12/Aug-06* |
| Methyl Ethyl Ketone | | | | | | | | | | | | | | | |
| Carbon Disulfide | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
1.1/Dec-95 indicates concentration/month-year

All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

(D) = Duplicate sample

# Table11
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| | Halogenated VOCs | | | | | | | | | | | Aromatic VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | Vinyl Chloride | Carbon Tetrachloride | Chloroform | 1,1,2,2-PCA | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 80 | 1 | 1 |
| TRBMCSs | 3,663 | 1,030 | 28,873 | 98,405 | 94,405 | 343 | 1,594 | 12 | 27 | 1,206 | NS | 175 |
| Building 71 VOC Plume - Building 71B Lobe | | | | | | | | | | | | |
| MW71B-98-13 | | | | 8.5 | | | | 1.6 | | | | |
| MW71B-99-3R | | | | 13.6 | | | | 2.0 | | | | |
| SB71-99-1 | | | | 7.3 | | | | | | | | |
| SB71B-03-1 | | | | 15.1 | | | | 3.7 | | | | |
| SB71B-04-1 | | | | 8.8 | | 14 | | | | | | |
| Building 51/64 VOC Plume | | | | | | | | | | | | |
| MW51-96-16 | | | | 36.7 | | | | **13.4** | | | | 2.4 |
| MW51-96-17 | | | | 6.7 | | | | 3.5 | | | | |
| MW51-96-18 | 22 | | 9.1 | | | 66 | 20 | | | | | |
| MW51-97-3 | 10.6 | | 23.6 | 37.1 | | | | 1.8 | | | | |
| MW51-97-12 | | | | 37.1 | | | | 1.4 | | | | |
| MW51-97-13 | | | | | | | | 1.4 | | | | |
| MW51-00-9 | | | | 12.5 | | | | | | | | |
| MW51-00-10 | | | | | | | | 1.8 | | | | |
| MW51B-93-18A | | | | 85 | 18 | | 12 | 1.2 | | | | |
| MW64-97-2 | | | | | | | 7.2 | | 1.9 | | | |
| SB51-04-1 | | | | | | 6.6 | | | | | | |
| SB64-98-8 | 47.6 | | 10.1 | | | 10.9 | 30.2 | | | | | |
| SB64-98-12 | 15.8 | | 9.2 | | | 70.8 | 52.9 | | | | | |
| SB64-98-13 | 47.5 | | 8.9 | | | | 6.2 | | | | | |
| SB64-98-17 | 62.9 | | 8.9 | | | | | | | | | |
| SB64-99-4 | 112 | | 17 | 8.1 | | | 7.8 | 3.0 | | | | |
| SB64-99-5 | 27.3 | | 15.1 | | | | 7.7 | | | | | |
| SB64-99-6 | 5.4 | | | | | | | | | | | |
| SB64-00-1 | 47 | | 6.9 | | | | 7.5 | | | | | |

## Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| | Halogenated VOCs | | | | | | | | | | | Aromatic VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | Vinyl Chloride | Carbon Tetrachloride | Chloroform | 1,1,2,2-PCA | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 80 | 1 | 1 |
| TRBMCSs | 3,663 | 1,030 | 28,873 | 98,405 | 94,405 | 343 | 1,594 | 12 | 27 | 1,206 | NS | 175 |
| SB64-00-2 | 11.5 | | 35.4 | | | 5.3 | 16.4 | | | | | |
| SB64-02-1A | 646 | 6.4 | 86.5 | 62.1 | | 55.1 | 144 | 10 | | | 2.7 | |
| SB64-02-1B | 261 | | 28.5 | 55.5 | | 7.2 | 32.4 | **27.8** | | | | |
| SB64-02-1C | 786 | 3.2 | 37.1 | 23 | | | 8.8 | **47.7** | | | | |
| SB64-02-1D | 52 | | 8.3 | 10.7 | | | 8.9 | 6.4 | | | | |
| SB64-02-1E | 26.6 | | | 8.1 | | | | 2.4 | | | | |
| SB64-02-1F | 152 | | 17.8 | 101 | | | 20.1 | **13.7** | | | | |
| SB64-02-2A | 36.5 | | 13.2 | 36.7 | | | 25.5 | | | | | |
| SB64-02-2B | 437 | 2.1 | 70.3 | 21.7 | | | 6.1 | 8.4 | | | | |
| SB64-02-2C | 70.8 | | 19.1 | 9.6 | | | | 8.1 | | | | |
| SB64-02-2D | 82.5 | | 15.4 | 8.1 | | | 5.2 | 2.4 | | | | |
| SB64-02-2E | 85.6 | | 12.4 | 11.8 | | | | 3.2 | | | | |
| SB64-02-2F | 420 | 2.0 | 17.3 | 13.3 | | | | 7.2 | | | | |
| SB64-03-1A | 9.9 | | | | | | | | | | | |
| SB64-03-1B | 50.5 | | | | | | 6.6 | | | | | |
| SB64-03-4 | 72.1 | | | | | | | | | | | |
| SB64-03-6 | | | | 12.6 | | | 16.6 | | | | | |
| SB64-03-13 | 8.0 | | | | | | | | | | | |
| EW51-07-1 | 5.0 | | | 160 | | | 31.5 | | | | | |
| EW51-07-2 | 10.2 | | | 10.8 | | | 66.8 | | | | | |
| EW51B-07-1 | 7.8 | | 14.6 | 25.8 | | | | | | | | |
| EW51B-07-2 | | | | 7.6 | | | | | | | | |
| EW64-03-1 | 28.7 | | | | | | | | | | | |
| Building 51L Plume | | | | | | | | | | | | |
| MW51L-01-5A | | | | | | | | 6.7 | | | | |
| EW51L-06-1 | | | | 6.9 | | | 13.3 | | | | | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| | Halogenated VOCs | | | | | | | | | | | Aromatic VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | Vinyl Chloride | Carbon Tetrachloride | Chloroform | 1,1,2,2-PCA | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 80 | 1 | 1 |
| TRBMCSs | 3,663 | 1,030 | 28,873 | 98,405 | 94,405 | 343 | 1,594 | 12 | 27 | 1,206 | NS | 175 |
| Former Building 51 Vacuum Pump Room Area | | | | | | | | | | | | |
| OC51-11-1 | 8.7 | | | 71.3 | | | 219 | 1.4 | | | | |
| SB51-11-9 | 77 | | 19 | 70 | | | **5,750** | **22** | | | | |
| SB51-11-19 | | | | | | | | | | | | 1.3 |
| Former Building 51A Area | | | | | | | | | | | | |
| EW51A-06-1 | | | | 8.0 | | | 157 | | 11.9 | | | |
| SB51A-12-1 | | | | 24.5 | | **442** | **10,400** | | **4,270** | 200 | | |
| SB51A-12-2 | | | | | | 8.9 | 858 | | **80.7** | | | |
| SB51A-12-5 | | | | 16.7 | | 28.3 | **11,100** | 3.2 | **2,940** | | | |
| SB51A-12-6 | | | | | | | 15.1 | | 1.7 | | | |
| SB51A-12-7 | | | | | | | 7.1 | | | | | |
| Old Town VOC Plume - Building 7 Lobe | | | | | | | | | | | | |
| MP7-99-1BR | | | | | | 125 | 101 | | 4.6 | | | |
| MP7-99-2BR | | | | | | **3480** | 242 | | **36.4** | | | |
| MW7-94-3 | | | | | | 30.4 | 18 | | 0.83 | | | |
| MW7-95-22 | | | | | | 32.7 | 8.6 | | | | | |
| MW7-95-23 | | | | | | 49.8 | 41.9 | | | | | |
| MW7-00-4 | | | | | | | | | | | | 4.1 |
| MW7B-95-21 | | | | | | 25.7 | 60.3 | | | | | |
| MW7B-95-24 | | | | | | 7.5 | | | | | | |
| MW53-93-16-69' | | | | | | 5.3 | | | | | | |
| MW53-96-1 | | | | | | 8.9 | | 0.73 | 0.5 | | | |
| MW58-93-3 | | | | | | 5.3 | | | | | | |
| MW58-95-19 | | | | 44 | | 11.2 | 47.5 | | | | | |
| MW58-96-11 | | | | 11.1 | | **529** | 360 | | 17.6 | | | |
| MW58-00-12 | | | 11 | 22 | | **2,450** | **1,820** | | **116** | | | |

## Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| | Halogenated VOCs | | | | | | | | | | | Aromatic VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | Vinyl Chloride | Carbon Tetrachloride | Chloroform | 1,1,2,2-PCA | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 80 | 1 | 1 |
| TRBMCSs | 3,663 | 1,030 | 28,873 | 98,405 | 94,405 | 343 | 1,594 | 12 | 27 | 1,206 | NS | 175 |
| MW58A-94-14 | | | 9.0 | 15 | | | | | | | | |
| SB53-96-3 | | | | | | 28.5 | 14.2 | | | | | |
| SB58-95-2 | | | 8.9 | | | 20.3 | 15.7 | | | | | |
| SB58-96-1 | | | | | | | 6.1 | | | | | |
| SB58-96-2 | | | | | | 20.3 | 10.7 | | | | | |
| SB58-01-02 | | | 8.9 | | | 10 | 24 | | | | | |
| SB58-02-1R | | | | | | | 5.7 | | | | | |
| SB58-02-2 | 5.7 | | 9.8 | 7.5 | | 26.2 | 26 | | | | | |
| EW7-96-1 | | | | | | 85.8 | | | | | | |
| EW7-96-2 | | | | | | 12.8 | 8.5 | | | | | |
| EW7-03-1 | | | | | | 27.2 | 19.2 | | 1.1 | | | |
| EW7-03-2 | | | | | | 47.3 | 16.1 | | | | | |
| EW7-03-3 | | | | | | 280 | 134 | | 6.1 | | | |
| EW7-06-1 | | | | 36.5 | | **1,870** | 205 | 6.8 | | | | |
| EW7C-04-2 | | | | | | 27.3 | | | 3.5 | | | |
| EW58E-98-1 | | | | | | 110 | 65.6 | | 2.5 | | | |
| EW58E-98-2 | | | | | | 33.7 | 41.6 | | | | | |
| EW58E-98-3 | | | | | | 36.3 | 36.8 | | 1.1 | | | |
| EW58E-98-4 | | | | | | 13.7 | 40.3 | | | | | |
| EW58E-98-5 | | | | 6.4 | | 69.6 | 65.3 | | 1.8 | | | |
| EW58E-98-6 | | | | | | 20.1 | 31.8 | | | | | |
| EW58E-98-7 | | | | | | 10.7 | 19.5 | | | | | |
| EW58E-98-8 | | | | | | 19 | 14.3 | | | | | |
| EW58-02-1 | | | | | | 16.9 | 9.5 | | | | | |
| EW58-07-1 | 5.2 | | 8.2 | 6.0 | | 16.8 | 13.7 | | | | | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| | Halogenated VOCs | | | | | | | | | | | Aromatic VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | Vinyl Chloride | Carbon Tetrachloride | Chloroform | 1,1,2,2-PCA | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 80 | 1 | 1 |
| TRBMCSs | 3,663 | 1,030 | 28,873 | 98,405 | 94,405 | 343 | 1,594 | 12 | 27 | 1,206 | NS | 175 |
| Old Town VOC Plume - Building 25A Lobe | | | | | | | | | | | | |
| MW6-92-17 | | | | | | | 6.4 | | | | | |
| MW16-94-13 | | | | | | 19.4 | 9.3 | | | | | |
| MW16-95-3 | | | | | | | 7.2 | | | | | |
| MW25A-98-1 | | | | 9.7 | | | 82.1 | | | | | |
| MW25A-98-3 | | | | | | | 5.0 | | | | | |
| MW25A-99-2 | | | | | | | 31 | | | | | |
| MW26-92-11 | | | | | | 7.5 | | | | | | |
| MW52-93-14 | | | | | | 5.0 | | | | | | |
| MW52B-95-13 | | | | | | 18.8 | | | 6.3 | | | |
| SB25A-96-3 | | | | | | | 120 | | | | | |
| Building 69/69A Area of Groundwater Contamination | | | | | | | | | | | | |
| SB69A-99-1 | | | | | | | | 10.1 | | | | |
| SB69A-00-1 | | | | 19.9 | | | | 3.6 | | | | |
| Building 75/75A Area of Groundwater Contamination | | | | | | | | | | | | |
| MW75-96-20 | | | | | | | 5.8 | | | | | |
| SB75-02-1 | | | | 70 | | | 11 | | | | | |
| SB75A-09-1 | | | | 190 | | | | 1.0 | | | | |
| SB75A-09-2 | | | | 94 | | | | **21** | | | | 1.1 |
| Benzene on East of Building 75A | | | | | | | | | | | | |
| MW91-4 | | | | | | | | | | | | 38.1 |
| Building 76 Area of Groundwater Contamination | | | | | | | | | | | | |
| MW76-98-21 | | | | | | | 7.2 | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)

NS = Not Speciified

TRBMCS:Target Risk Based Media Cleanup Standard

Boldface type indicates that concentration exceeds TRBMCS

Note: Where duplicate or split samples were collected, or more than one sample was collected during the quarter, the maximum detected concentration is shown.

# Table 12
## Groundwater Monitoring Results
## Total Petroleum Hydrocarbons-EPA Modified Method 8015
### FY 2012: October 2011 through September 2012
**(concentrations in µg/L)**

| Area | Location | Well No. | Date | TPH-D | TPH-G | TPH-K |
|---|---|---|---|---|---|---|
| 2 | Former Building 7E Diesel/Kerosene UST | 7-92-16 | 9/6/2012 | | | <50 |
| | | | (D) | | | <50 |
| | | 6-93-4 | 9/6/2012 | | | <50 |
| | | 6-95-14 | 7/23/2012 | | | <50 |
| 4 | Building 76 Former Diesel and Gasoline Underground Storage Tanks | MW76-1 | 7/23/2012 | 250 | <50 | |
| | | W76-97-3 | 3/8/2012 | <50 | | |
| | | W76-97-4 | 3/8/2012 | <50 | | |
| 11 | Building 74 Former Diesel UST | 74-92-13 | 1/18/2012 | 200 | | |
| | | 74-94-7 | 7/20/2012 | <50 | | |
| | | 74-94-8 | 7/20/2012 | <50 | | |
| | | 74-95-6 | 1/18/2012 | 130 | | |
| | | 83-92-14 | 1/18/2012 | 130 | | |
| | Field Blank | | 7/26/2012 | <50 | | |

All samples were analyzed by BC Laboratories.
TPH-D = TPH-Diesel, EPA Method 8015
TPH-G = TPH-Gasoline Range Organics, EPA Method 8015
TPH-K = TPH-Kerosene, EPA Method 8015

= Not Sampled
< = Less than Reporting Limit (RL)
(D) = Duplicate Sample
UST=Underground Storage Tank

# Table 13
# Groundwater Monitoring Results
# Tritium- EPA Method 906
## FY 2012: October 2011 through September 2012
**(concentrations in pCi/L)**

| Area | Well No. | FY2012 Qtr 1 Oct-Dec | FY2012 Qtr 2 Jan-Mar | FY2012 Qtr 3 Apr-Jun | FY2012 Qtr 4 Jul-Sept |
|---|---|---|---|---|---|
| Groundwater Monitoring Wells | | | | | |
| 1 | 71-95-9 | | <300 | | <300 |
| | 71B-98-13 | | | | <300 |
| | 71B-99-3R | | | | <300 |
| 3 | MW91-6 | | 1,600 | | |
| | 75B-92-24 | | 770 | | 700 |
| | 75-97-5 | | 12,000 | | 12,000 |
| | (D) | | 12,000 | | 11,000 |
| | 75-97-7 | | <300 | | <300 |
| | 75-98-14 | | 4,700 | | 4,800 |
| | 75-99-6 | | 3,400 | | 3,900 |
| | 75-99-7 | | 5,100 | | |
| 4 | 76-93-6 | | 2,100 | | 1,700 |
| | 78-97-20 | | 860 | | |
| 5 | MWP-9 | | | | <300 |
| | MWP-10 | | | | <300 |
| | 77-94-6 | | 4,700 | | 4,000 |
| | 77-97-9 | | 4,400 | | |
| | (D) | | 4,700 | | |
| | 77-97-11 | | 3,000 | | 2,900 |
| | 31-97-17 | | 910 | | 650 |
| | 31-97-18 | | <300 | | |
| | 31-98-17 | <300 | <300 | <300 | <300 |
| 9 | 51-97-14 | <300 | | | |
| | 51A-01-11 | <300 | | | |
| | 51L-01-5A | <300 | | | |
| | 51L-01-5B | <300 | | | |
| Temporary Groundwater Sampling Points | | | | | |
| 3 | SB69-02-1A | | | | 300 |
| | SB69A-99-1 | | <300 | | <300 |
| | SB69A-00-1 | | | | <300 |
| | SB75-02-1 | | 860 | | 710 |
| | SB75A-02-1A | | 420 | | 550 |
| | SB75A-09-1 | | 3,800 | | 4,000 |
| | SB75A-09-2 | | 920 | | 820 |
| | (D) | | 860 | | |

# Table 13 (Cont'd)
# Groundwater Monitoring Results
# Tritium- EPA Method 906
## FY 2012: October 2011 through September 2012
**(concentrations in pCi/L)**

| Area | Well No. | FY2012 Qtr 1 Oct-Dec | FY2012 Qtr 2 Jan-Mar | FY2012 Qtr 3 Apr-Jun | FY2012 Qtr 4 Jul-Sept |
|---|---|---|---|---|---|
| Temporary Groundwater Sampling Points | | | | | |
| 5 | SB31-02-1 | | | | 710 |
| | SB31-02-2 | | | | 980 |
| | (D) | | | | 980 |
| | SB31-02-4 | | | | 1,200 |
| | SB31-02-5 | | | | 1,200 |
| | SB31-02-6 | | | | 420 |
| | SB31-02-7 | | | | <300 |
| | SB31-03-1 | | | | 1,600 |
| | SB31-03-2 | | | | 2,200 |
| | SB31-03-3 | | | | 1,300 |
| | SB31-03-4 | | | | 1,400 |
| | SB77-02-1 | | | | <300 |
| | SB77-10-1A | | | | 2,800 |
| | SB77-10-1B | | | | <300 |
| | SB77-10-1C | | | | <300 |
| 9 | SB51-11-1R | | | <300 | |
| | SB51-11-3 | | | <300 | |
| | SB51-11-4 | | | <300 | |
| Slope Stability Wells | | | | | |
| 5 | SSW17-130 | | 990 | | |
| | SSW19-130 | | 350 | | |
| | SSW20-130 | | 520 | | |
| | SSW21-130 | | <300 | | |
| Quality Assurance Samples | | | | | |
| | Field Blank | | <300 | <300 | <300 |
| | | | <300 | | <300 |
| | | | <300 | | <300 |

Maximum contaminant level (MCL) for drinking water for tritium determined by CDPH = 20,000 pCi/L
All samples were analyzed by Eberline
[ ] = Not Sampled
[<] = Less than Reporting Limit (RL)
(D) = Duplicate sample

# Table 14
## Groundwater Monitoring Results
## Metals
### FY 2012: October 2011 through September 2012
**(concentrations in µg/L)**

| | | | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **MCL:** | 6 | 50 | 1000 | 4 | 5 | 50 | NS | 1000 (a) | 15 (b) | 2 | NS | 100 | 50 | 100 (a) | 2 | NS | 5000 (a) |
| | | **Background**** | <2 | 53(56)* | 540 | <1 | <1 | 25 | 9.3 | 28 | <2 | <0.2 | 85(156)* | 18 | 12 | <10 | <1 | 62 | 31 |
| **Area** | **Well NO.** | **Date** | | | | | | | | | | | | | | | | | |
| **Groundwater Monitoring Wells** | | | | | | | | | | | | | | | | | | | |
| 2 | 7B-95-24 | 8/16/2012 | | | | | | | | | | <0.2 | | | | | | | |
| 3 | 75-99-8 | 7/18/2012 | | **64** | | | | | | | | | | | | | | | |
| 5 | 77-92-10 | 7/19/2012 | | | | | | | | | | | **240** | | | | | | |
| | 77-94-5 | 7/25/2012 | | | | | | | | | | | **220** | | | | | | |
| | (D) | 7/25/2012 | | | | | | | | | | | **210** | | | | | | |
| 7 | 46-92-9 | 7/26/2012 | | | | | | | | | | | **400** | | | | | | |
| 9 | 51-92-2 | 7/19/2012 | | | | | | | | | | | **160** | | | | | | |
| | 51-00-9 | 9/6/2012 | | | | | | | | | | | **260** | | | | | | |
| | 51-00-10 | 9/6/2012 | | | | | | | | | | | **250** | | | | | | |
| | 51B-93-18A | 7/24/2012 | | **57** | | | | | | | | | | | | | | | |
| | 64-97-1 | 7/24/2012 | | **66** | | | | | | | | | | | | | | | |
| | 64-97-2 | 7/24/2012 | | | | | | | | | | | | | <50 | | | | |
| 14 | 37-92-18A | 7/19/2012 | | 31 | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All samples were analyzed by BC Laboratories
* Background concentrations in parentheses represent values for wells screened in the Orinda Formation
** LBNL Maximum Background Level (LBNL, 2009)
Values in bold indicate concentrations above background and MCL, if MCL specified

< = Less than Reporting Limit (RL)
= Compound not included in analysis

(a): secondary MCL
(b): action level
NS: Not Specified

# Table 15
## Groundwater Monitoring Well Results
## Polychlorinated Biphenyl Compounds -EPA Method 608
### FY 2012: October 2011 through September 2012
**(concentrations in µg/L)**

| RFI Unit | Area | Well No. | Date | PCBs |
|---|---|---|---|---|
| Building 51 Sanitary Sewer and Drainage System | 9 | 51-00-9 | 9/6/12 | <0.2 |
| | | 51-00-10 | 9/6/12 | <0.2 |

Maximum contaminant level (MCL) for drinking water for PCBs determined by California DHS = 0.5µg/L
All Samples were analyzed by BC Laboratories < = Less than reporting limit

# Table 16a
## Surface Water Sampling Results
## VOCs and Metals
### FY 2012: October 2011 through September 2012
**(concentrations in µg/L)**

| Location | Date | Lab | VOCs | | Metals | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn |
| Cafeteria Creek | Feb-12 | EML/BC | ND | Dissolved | 8.4 | 2.6 | 34 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 13 |
| | May-12 | BC | | Total | <2 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Total | 2.1 | | | | | | | | | | | | | | | | |
| | May-12 | BC | | Dissolved | <2 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Dissolved | 1.9 | | | | | | | | | | | | | | | | |
| Chicken Creek Down Stream | Feb-12 | EML/BC | ND | Dissolved | 3.3 | 2.0 | 83 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | (D) | CT | ND | Dissolved | 3.0 | <2 | 77 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Chicken Creek Up Stream | Feb-12 | EML/BC | ND | Dissolved | 11 | 3.2 | 63 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | 18 | 39 |
| | May-12 | BC | | Total | <2 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Total | <1 | | | | | | | | | | | | | | | | |
| | May-12 | BC | | Dissolved | <2 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Dissolved | 1.4 | | | | | | | | | | | | | | | | |
| Chicken Creek | Aug-12 | EML/BC | ND | Dissolved | <2 | 4 | 93 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | 12 | 12 |
| | (D) | CT | ND | Dissolved | <2 | <2 | 81 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <20 |
| No Name | Feb-12 | EML/BC | ND | Dissolved | <2 | <2 | 56 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | Aug-12 | EML/BC | ND | Dissolved | <2 | 3.7 | 52 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| North Fork Strawberry Creek | Feb-12 | EML/BC | ND | Dissolved | <2 | 2.0 | 77 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | Aug-12 | EML/BC | ND | Dissolved | <2 | 3.5 | 77 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Ravine Creek | Feb-12 | EML/BC | ND | Dissolved | 18 | 2.0 | 32 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | May-12 | BC | | Total | 3.1 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Total | 3.1 | | | | | | | | | | | | | | | | |
| | May-12 | BC | | Dissolved | 3.4 | | | | | | | | | | | | | | | | |
| | (D) | CT | | Dissolved | 3.4 | | | | | | | | | | | | | | | | |
| | Aug-12 | EML/BC | p-Isopropyltoluene=3.5<br>Toluene=3.2 | Dissolved | <2 | 7.2 | 110 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | 3.4 | <10 | <1 | <10 | <10 |
| Upper Botanical Garden Creek | Feb-12 | EML/BC | ND | Dissolved | <2 | 3.6 | 45 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 23 |
| | Aug-12 | EML/BC | ND | Dissolved | <2 | 2.6 | 51 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Winter Creek | Feb-12 | EML/BC | ND | Dissolved | 2.3 | <2 | 70 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | Aug-12 | EML/BC | ND | Dissolved | <2 | 2.7 | 58 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | 2.2 | <10 | <1 | <10 | <10 |
| Equipment Blank | Aug-12 | EML/BC | ND | Dissolved | <2 | <2 | <10 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Field Blank | Feb-12 | BC | | Dissolved | <2 | <2 | <10 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Trip Blank | Feb-12 | EML | ND | | | | | | | | | | | | | | | | | | |

BC: analysis by BC Laboratories
CT: analyses by Curtis & Tompkins, Ltd.
EML: analysis by EML Laboratories

ND = Not Detected
< = Less than Quantitation Limit
= Not Sampled

# Table 16b
## Surface Water Sampling Results
## Tritium
### FY 2012: October 2011 through September 2012
**(concentrations in pCi/L)**

| Location | Lab | Date | Tritium |
|---|---|---|---|
| Chicken Creek Down Stream | Eberline | 2/8/12 | <300 |
| | ALS | (D) | <300 |
| Chicken Creek Up Stream | Eberline | 2/8/12 | <300 |
| Chicken Creek | Eberline | 4/18/12 | 225* |
| | GEL | (D) | 271*/206** |
| | Eberline | 8/28/12 | <200 |
| | GEL | (D) | <200 |
| North Fork Strawberry Creek | Eberline | 2/8/12 | <300 |
| | Eberline | 4/18/12 | <200* |
| | Eberline | 8/28/12 | <200 |
| Winter Creek | Eberline | 4/18/12 | <200* |
| | Eberline | 8/28/12 | <200* |
| Equipment Blank | Eberline | 4/18/12 | <200* |
| | Eberline | 8/28/12 | <200* |
| Field Blank | Eberline | 2/8/12 | <300 |

Maximum contaminant level (MCL) for drinking water for tritium determined by CDPH = 20,000 pCi/L

* Sample Collected by LBNL Enviromental Services Group (ESG) Environmental Monitoring Program

< = Less than Reporting Limit

(D) = Duplicate sample

ALS: analysis by ALS Environmental

Eberline: analyzed by Eberline Services

GEL: Analysis by GEL Laboratories LLC.

** Sample was reanalyzed

# Table 17
## Hydrochemical Indicator Parameters Sampling Results
### Fiscal Year 2012

| | | | | QC Samples | | Building 51/64 Plume | | | | Building 7 Lobe Old Town Plume | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Units** | **Lab** | **Optimum Range in Concentration** | **Field Blank** | **Trip Blank** | **MW51-96-16** | **MW51-96-17** | **MW51-97-12** | **MW51-97-13** | **MW58-93-3** | **MW58A-94-14** |
| | | | | Mar-12 | Feb-12 | Mar-12 | Mar-12 | Feb-12 | Feb-12 | Feb-12 | Feb-12 |
| Ethane ($C_2H_6$) | | Microseeps | >10 | | | 0.16 | <0.025 | 0.28 | 0.36 | 0.035 | <0.025 |
| Ethene ($C_2H_4$) | µg/L | | >10 | | | 2.0 | 0.31 | 0.13 | 1.2 | 0.045 | 0.068 |
| Methane ($CH_4$) | | | >500 | | | **12,000** | 80 | **590** | **8,200** | 7.9 | 250 |
| Volatile Fatty Acids (VFAs) | mg/L | Microseeps | >0.1 | | | **0.31** | **0.28** | **0.37** | ND | | |
| Nitrate ($NO_3^-$) | mg/L | BC | <1 | **<0.5** | **<0.44** | **<0.5** | **<0.5** | **<0.44** | **<0.44** | **<0.44** | **<0.44** |
| Sulfate ($SO_4^{2-}$) | mg/L | BC | <20 | **<1.0** | **<1.0** | **16** | **19** | **13** | **3.4** | 42 | 55 |
| Sulfide ($H_2S$) | mg/L | Field Measurement | >1 | | | ND | ND | ND | ND | ND | ND |
| Total Sulfide | mg/L | BC | >1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.5 | <2.0 | <0.5 | <0.5 |
| Ferrous Iron ($Fe^{2+}$) | mg/L | Field Measurement | >1 | | | **2.4** | **1.2** | **3.0** | **2.0** | ND | ND |
| Dissolved Oxygen (DO) | mg/L | Field Measurement | <0.5 | | | **0.16** | **0.11** | **0.16** | **0.03** | **0.3** | **0.43** |
| pH | pH units | Field Measurement | 5 to 9 | | | **6.6** | **7.52** | **6.56** | **6.78** | **7.26** | **7.45** |
| Temperature | °C | Field Measurement | >20 | | | 19.1 | 18 | 17.8 | 18.7 | 18.5 | 17.8 |
| Nitrite ($NO_2^-$) | mg/L | BC | | <0.5 | <0.17 | <0.5 | <0.5 | <0.17 | <0.17 | <0.17 | <0.17 |
| Carbon Dioxide ($CO_2$) | ppm | Field Measurement | > 2 times background | | | 11 | 18 | 11 | 11.8 | 26 | 16 |

# Table 17 (Cont'd)
## Hydrochemical Indicator Parameters Sampling Results
### Fiscal Year 2012

| | | | | Building 69A Area of Groundwater Contamination | | | Building 71B Plume | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Units** | **Lab** | **Optimum Range in Concentration** | **MW69-97-8** | **SB69A-99-1** | **SB69A-00-1**** | **MW71B-99-3R** | **MW71-95-9*** | **SB71B-03-1** | **SB71B-03-2** |
| | | | | Mar-12 | Mar-12 | Feb-12 | Mar-12 | Feb-12 | Mar-12 | Mar-12 |
| Ethane ($C_2H_6$) | | Microseeps | >10 | <0.025 | 0.32 | 0.5 | <0.025 | <0.025 | 0.11 | 0.048 |
| Ethene ($C_2H_4$) | µg/L | | >10 | 0.04 | 1.0 | 0.62 | <0.025 | 0.056 | 0.37 | 0.14 |
| Methane ($CH_4$) | | | >500 | **710** | **5,700** | **1,600** | 0.46 | **820** | **580** | **2,700** |
| Volatile Fatty Acids (VFAs) | mg/L | Microseeps | >0.1 | **0.28** | **0.46** | ND | **0.2** | ND | **0.24** | **0.48** |
| Nitrate ($NO_3^-$) | mg/L | BC | <1 | **<0.5** | **<0.5** | **<0.5** | 5.1 | 4.2 | <0.5 | <0.5 |
| Sulfate ($SO_4^{2-}$) | mg/L | BC | <20 | **5.8** | **<1** | **11** | 26 | **15** | 24 | **11** |
| Sulfide ($H_2S$) | mg/L | Field Measurement | >1 | ND | ND | ND | ND | ND | ND | ND |
| Total Sulfide | mg/L | BC | >1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Ferrous Iron ($Fe^{2+}$) | mg/L | Field Measurement | >1 | **1.2** | **2.0** | **3.2** | ND | 0.85 | **1.2** | **1.6** |
| Dissolved Oxygen (DO) | mg/L | Field Measurement | <0.5 | **0.08** | **0.09** | 9.22 | 5.12 | 1.1 | 1.22 | **0.39** |
| pH | pH units | Field Measurement | 5 to 9 | **6.7** | **6.63** | **6.8** | **7.33** | **6.94** | **7.05** | **6.86** |
| Temperature | °C | Field Measurement | >20 | 18.5 | 18.4 | 17 | 14.7 | 17.5 | 15.2 | 15.6 |
| Nitrite ($NO_2^-$) | mg/L | BC | | <0.5 | <0.5 | <0.5 | <0.5 | <0.17 | <0.5 | <0.5 |
| Carbon Dioxide ($CO_2$) | ppm | Field Measurement | > 2 times background | 14 | 11 | 11 | 25 | 14 | 22 | 23 |

< indicates that analyte was not detected above method reporting limit noted.
Boldface type indicates that analytes were within optimum range for biodegradation.
* Upgradient (background well) for Building 71B and Building 51/64 plumes.
** Well went dry at 0.15 gallons purged.Some parameters such as DO may not represent actual groundwater conditions.

ND indicates analyte was not detected by instrument.
Not analyzed or analysis not required.

# Table 18
## Groundwater Quality Control Samples
## Volatile Organic Compounds - EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| Constituent | MCL | Equipment (Rinseate) Blanks | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-12^ | Apr-12 | May-12 | May-12 | May-12 | Jun-12 | Jun-12 | Jul-12 | Jul-12 | Jul-12 | Jul-12 | Jul-12 | Jul-12* | Aug-12 | Aug-12 | Aug-12 | Sep-12 | Sep-12 | Sep-12* | Sep-12 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| Naphthalene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| Dibromochloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-11 | | <1 | | | | | | | | | | | | <0.5 | | | | | | <0.5 | |
| Freon-113 | 1200 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | |

# Table 18 (Cont'd)
## Groundwater Quality Control Samples
## Volatile Organic Compounds - EPA Method 8260
### 3rd and 4th Quarter FY 2012
**(concentrations in µg/L)**

| Constituent | MCL | Trip Blanks | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-12 | May-12 | May-12 | May-12 | May-12 | May-12 | May-12^ | Jun-12 | Jul-12 | Aug-12 | Aug-12 | Aug-12 | Aug-12^ | Sep-12 | Sep-12 | Sep-12* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2,4-Trichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 |
| Dibromochloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-11 | | | | | | | | <1 | | | | | | <1 | | | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by CDPH)
All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories; ^ = Analysis by Curtis & Tompkins, Ltd.

< = Less than Quantitation Limit
= Compound not included in analysis