E.O. Lawrence Berkeley National Laboratory

United States Department of Energy

ENVIRONMENTAL RESTORATION PROGRAM

# QUARTERLY PROGRESS REPORT AND ANNUAL STATUS SUMMARY

## FOURTH QUARTER FISCAL YEAR 2007

## (July 1 to September 30, 2007)

for the
Lawrence Berkeley National Laboratory
Hazardous Waste Facility Permit

February 2008

# QUARTERLY PROGRESS REPORT
# AND ANNUAL STATUS SUMMARY

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## (July 1 to September 30, 2007)

for the Lawrence Berkeley National Laboratory
Hazardous Waste Facility Permit

Ernest Orlando Lawrence Berkeley National Laboratory

February 2008


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Hazardous Waste Facility Permit

February 2008

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# LIST OF ABBREVIATIONS

| | |
|---|---|
| ALS | Advanced Light Source |
| BC | BC Laboratories |
| BTEX | Benzene, Toluene, Ethylbenzene, and Xylenes |
| Cal-EPA | California Environmental Protection Agency |
| CAP | Corrective Action Program |
| CMI | Corrective Measures Implementation |
| CMS | Corrective Measures Study |
| COCs | Chemicals of Concern |
| DCA | Dichloroethane |
| DCE | Dichloroethene |
| DHS | California Department of Health Services |
| DOE | U.S. Department of Energy |
| DTSC | Cal-EPA Department of Toxic Substances Control |
| EBMUD | East Bay Municipal Utility District |
| EH&S | Environment, Health and Safety Division |
| EML | LBNL Environmental Measurement Laboratory |
| EPA | U. S. Environmental Protection Agency |
| ERP | Environmental Restoration Program |
| ESL | Environmental Screening Level |
| 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 |
| mg/kg | milligrams per kilogram |
| MNA | Monitored Natural Attenuation |
| m/s | meters per second |
| 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) |
| PID | Photoionization Detector |
| QA | Quality Assurance |
| QC | Quality Control |
| RCRA | Resource Conservation and Recovery Act |
| RFA | RCRA Facility Assessment |
| RFI | RCRA Facility Investigation |
| RPM | Remedial Project Manager |
| SVOC | Semi-Volatile Organic Compound |
| SWRCB | State Water Resources Control Board |
| SWMU | Solid Waste Management Unit |
| TCA | Trichloroethane |
| TCE | Trichloroethene |
| TPH | Total Petroleum Hydrocarbons |
| TPH-D | Total Petroleum Hydrocarbons-Diesel |
| TPH-FF | Total Petroleum Hydrocarbon Fuel Fingerprint |
| TPH-G | Total Petroleum Hydrocarbons–Gasoline |
| TPH-K | Total Petroleum Hydrocarbons–Kerosene |
| TSCA | Toxic Substances Control Act |
| UC | University of California |
| UCL | Upper Confidence limit |
| UST | Underground Storage Tank |
| VFA | Volatile Fatty Acid |
| VOCs | Volatile Organic Compounds |
| WAA | Waste Accumulation Area |
| Water Board | Regional Water Quality Control Board |

# EXECUTIVE SUMMARY

This quarterly progress report describes activities conducted by the Ernest Orlando Lawrence Berkeley National Laboratory (LBNL) under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program (CAP) from July 1 through September 30, 2007 (fourth quarter of fiscal year 2007 [FY07]), the current reporting period. The primary activity conducted during the reporting period was monitoring of groundwater quality to assess progress towards achieving required groundwater cleanup levels (Media Cleanup Standards [MCSs]). Groundwater monitoring data indicate that the corrective measures implemented by LBNL continue to be effective in reducing concentrations of volatile organic compounds (VOCs) in the groundwater, the groundwater plumes are stable or attenuating, and contaminants are not migrating offsite in the groundwater.

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) approved by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC). The corrective measures required for soil have been completed. The corrective measures required for groundwater consist of in situ soil flushing and groundwater capture, subsurface injection of Hydrogen Release Compound® (HRC), and Monitored Natural Attenuation (MNA). These measures have been implemented and are currently in the operation, maintenance, and monitoring phase. A listing of the measures is provided in the following table.

## Summary of DTSC Approved Corrective Measures for Groundwater

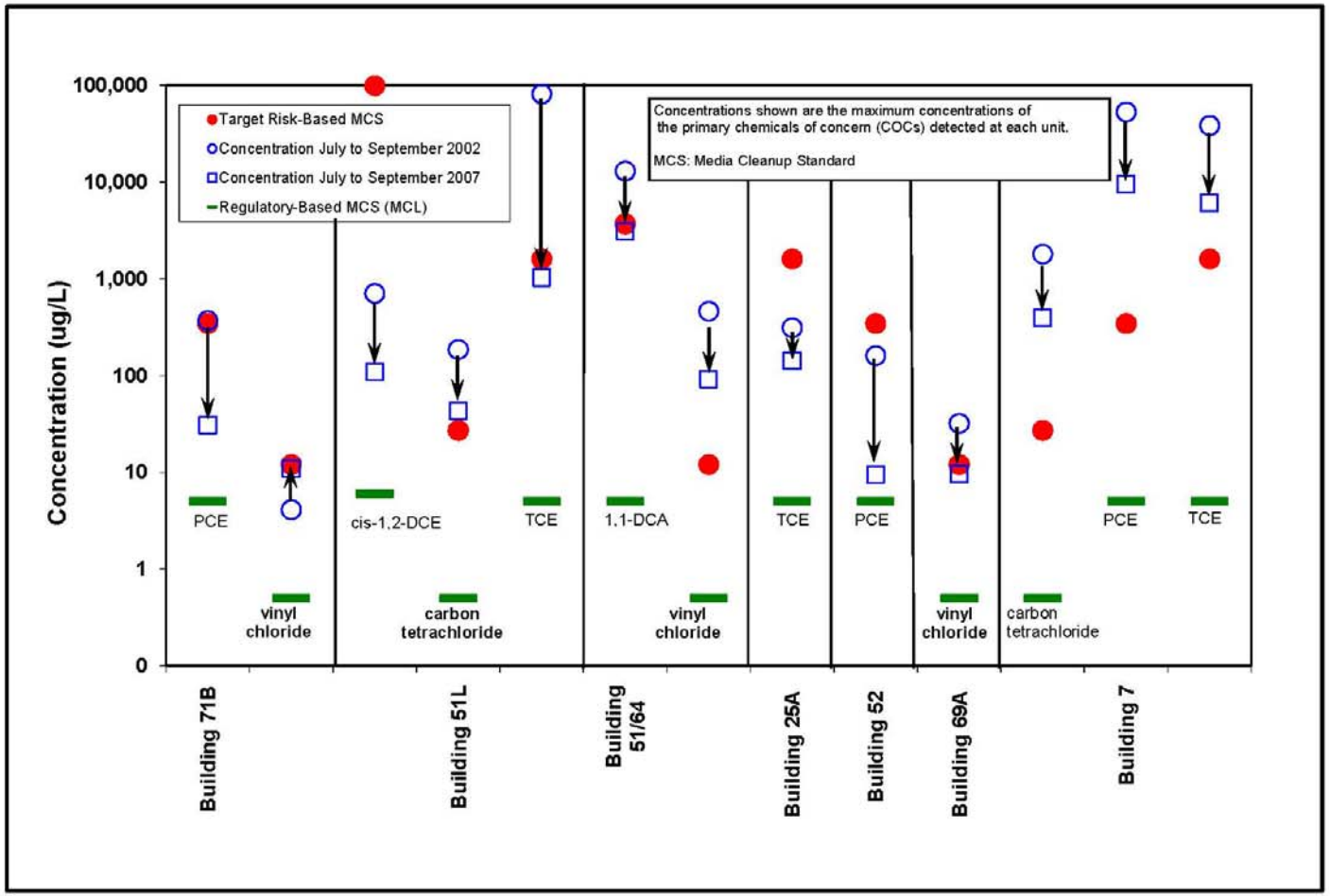
| Groundwater Unit | Ongoing Corrective Measure |
|---|---|
| Building 51/64 Groundwater Solvent Plume | • In situ soil flushing in the source area.<br>• MNA for contaminants in the downgradient plume area.<br>• HRC injection in the upgradient core area.<br>• Extraction and treatment of contaminated water from the Building 51 subfloor drainage system. |
| Building 51L Groundwater Solvent Plume | • Extraction and treatment of groundwater from EW51L-06-1 and EW51A-06-1.<br>• Extraction and treatment of water from the concrete sump installed inside Building 51A. |
| 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 7 Lobe of the 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 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 of the 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 of the Old Town Groundwater Solvent Plume | • In situ soil flushing (groundwater infiltration bed and extraction trench) 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 | • Enhanced bioremediation (MNA with HRC injection) in the source area. |

During the current reporting period, groundwater extraction well EW58-07-1 was installed at the downgradient edge of the core area of the Building 7 lobe of the Old Town Groundwater Solvent Plume. The purpose of the extraction well is to provide additional control on plume migration and to flush contaminants from the groundwater.

Cleanup to target risk-based 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). Where groundwater meets the SWRCB well yield criteria, cleanup to regulatory-based MCSs (Maximum Contaminant Levels [MCLs] for drinking water) is the 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 toward achieving the required groundwater cleanup levels (risk-based and/or regulatory-based MCSs) is illustrated on the following graph. As shown on the graph, concentrations of the primary Chemicals of Concern (COCs) detected at each of the groundwater units where corrective measures are required have been substantially reduced over the five-year period since 2002. Similar reductions have been observed in the other contaminants detected at each unit. The increase in the concentration of vinyl chloride observed in the Building 71B plume is likely the product of the biodegradation of the more chlorinated compounds at the unit by reductive dechlorination.

## Cleanup Progress at Groundwater Units where Corrective Measures are Required



Seventeen wells monitor for potential migration of contaminated groundwater beyond the site boundary or the developed areas of the site. No VOCs were detected in any of the perimeter wells during the current reporting period.

Extracted groundwater and contaminated effluent from drain lines and hydraugers are treated using granular activated carbon (GAC) systems. Most of the treated water is then injected into the subsurface for soil flushing purposes. The remainder is discharged under Berkeley Lab's EBMUD permit to the sanitary sewer. During the reporting period 2,794,140 gallons of water were treated, with more than 76 million gallons treated to date.

Selected groundwater samples were also collected and analyzed for metals, polychlorinated biphenyls (PCBs), and petroleum hydrocarbons during the current reporting period. No PCBs or petroleum hydrocarbons were detected. Concentrations of metals detected were consistent with previous analytical results.

LBNL also conducted environmental investigations to assess potential environmental contamination at two construction sites and one Solid Waste Management Unit (SWMU) during the current reporting period. On August 16, 2007, based on a preliminary pre-development groundwater sample result, LBNL notified the DTSC of the finding of a possible new release of hazardous waste or hazardous constituents at the former Building 10 site, where the construction of User Support Building for the Advanced Light Source (ALS) is planned. On September 12, 2007, LBNL rescinded its Release Notification based on the results of extensive soil, groundwater, and soil-gas sampling conducted at the site.

On September 5, 2007, a contractor working on the Guest House project located an abandoned oil drain line associated with a former above-ground tank that was removed in the late 1980s. When the drain line was uncovered, approximately one quart of a petroleum product spilled from the pipe onto the underlying soil. LBNL verbally notified the City of Berkeley Toxics Division of the release. The Toxics Division informed LBNL that no permitting was needed for the cleanup or removal of the material, but recommended that LBNL collect a representative post-cleanup sample of soil below the spill location and then check for other leaks along the drain line. On October 26, 2007, LBNL provided a report to the City of Berkeley

Toxics Division to document compliance with their recommendations and provide data to support the decision that no further action was required at the site.

In August 2007, soil samples were collected from five shallow borings drilled at the Building 76 Present and Former Waste Accumulation Area #3 to collect data to support a recommendation to DTSC that the unit is acceptable for unrestricted use. Cadmium, the COC at the unit, was not detected in any of the samples collected.

Radionuclides, including tritium, are not regulated under RCRA and are therefore not included in the RCRA CAP; however, tritium data have been included in the quarterly reports in order to provide a comprehensive evaluation of the status of site contaminants. Concentrations of tritium have been declining in almost all wells monitoring the Building 75 Tritium Plume since closure of the National Tritium Labeling Facility (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 15,600 pCi/L during the current reporting period.

# SECTION 1

# INTRODUCTION

## 1.1 BACKGROUND

The Ernest Orlando Lawrence Berkeley National Laboratory (LBNL) Hazardous Waste Handling Facility (HWHF) operates under a Resource Conservation and Recovery Act (RCRA), Part B Hazardous Waste Facility Permit issued by the California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). The Permit requires LBNL to investigate and address all releases of hazardous waste that may have occurred at the site, in accordance with RCRA Corrective Action Program (CAP) requirements.

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. The corrective measures required for contaminated soil have been completed. The corrective measures required for contaminated groundwater have been implemented and are operational. These measures consist of the operation of in situ soil flushing and groundwater capture systems, subsurface injection of Hydrogen Release Compound® (HRC), and Monitored Natural Attenuation (MNA).

## 1.2 PURPOSE AND SCOPE

This report describes the RCRA CAP activities conducted by the LBNL Environmental Restoration Program (ERP) from July 1 through September 30, 2007 (fourth quarter of fiscal year [FY] 2007), the current reporting period. The primary purpose of the report is to document the progress of the implemented corrective measures toward achieving the required groundwater cleanup levels (Media Cleanup Standards [MCSs]) recommended by LBNL in the Corrective Measures Study Report (LBNL, 2005a). An additional purpose is to document that site groundwater plumes are stable or attenuating and that the plumes are not migrating offsite. Quarterly

summaries of RCRA CAP activities conducted prior to the current reporting period (since January 1993) have been presented in previous Quarterly Progress Reports (LBNL, 1993-2007).

## 1.3 PROJECT ORGANIZATION

Investigation and cleanup of areas of environmental contamination at LBNL are conducted by the LBNL ERP, which is part of a nationwide effort by the United States Department of Energy (DOE) to identify and clean up contaminated areas at its facilities. The ERP is a program of the Environmental Services Group (ESG) of the LBNL Environment, Health and Safety (EH&S) Division.

## 1.4 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. Concentrations in upgradient wells may represent background conditions. |
| Downgradient | In the direction of groundwater flow. Downgradient monitoring wells are located downgradient from the source and core. |
| Crossgradient | Perpendicular to the direction of groundwater flow. |
| Source | The location where the contaminant that is the source of the groundwater contamination 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 boundary of Berkeley Lab. |

# SECTION 2

# SITE DESCRIPTION

## 2.1 SITE LOCATION AND HISTORY

LBNL is a multi-program scientific research campus operated by the University of California (UC) for the DOE. 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 three-quarters of LBNL are in the City of Berkeley and the eastern quarter is in the City of Oakland (Figure 2).

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. 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 OF THE SITE

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

### 2.2.1 Physiography

The physiography of LBNL 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: Strawberry Creek and its tributaries along the southern boundary; and, North Fork Strawberry Creek along the western boundary.

### 2.2.2 Geology and Hydrogeology

As shown on the bedrock geologic map (Figure 3a) and summary stratigraphic column (Figure 3b), LBNL is underlain primarily by northeast-dipping Cretaceous and Miocene sedimentary and volcanic bedrock units, and paleolandslide (ancient landslide) deposits composed of these units. 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, indicating that groundwater flow in the western portion of LBNL is generally westward, whereas flow in other parts of LBNL is generally southward.

## 2.3 SITE STUDY AREAS

For reporting purposes, the RCRA Facility Assessment (RFA) (LBNL, 1992a) subdivided LBNL into 15 Areas. Subsequently, during the RCRA Facility Investigation (RFI), the 15 RFA Areas were grouped into four areas (Bevalac, Old Town, Support Services, and Outlying), based on the locations 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 four areas and their relationship to the 15 RFA Areas are shown on Figure 4.

# SECTION 3

# ENVIRONMENTAL ACTIVITIES CONDUCTED DURING THE CURRENT REPORTING PERIOD

# (FOURTH QUARTER FY2007 - JULY THROUGH SEPTEMBER 2007)

## 3.1 GROUNDWATER MONITORING

### 3.1.1 Summary of Groundwater Monitoring Program

The primary purpose of groundwater sampling during the CMI phase of the CAP is to monitor the effectiveness 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 volatile organic compounds (VOCs) in accordance with the schedule approved by the Regional Water Quality Control Board - San Francisco Bay Region (Water Board) (LBNL, 2005b). 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. 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.

Samples from selected wells are also analyzed for hydrochemical parameters indicative of the potential for biodegradation. The purpose of this sampling is to assess the effectiveness of MNA and/or enhanced bioremediation in achieving the required MCSs. The hydrochemical parameters include seven field-measured parameters (dissolved oxygen [DO], dissolved carbon dioxide ($CO^2$), pH, temperature, ferrous iron ($Fe^{2+}$), sulfide ($H_2S$), and conductivity) and the following laboratory-measured parameters: nitrate ($NO^3$), nitrite ($NO^2$), sulfate ($SO_4^{2-}$), volatile fatty acids (VFAs), and methane ($CH^4$)/ethane ($C_2H^6$)/ethene ($C_2H^4$).

In addition to collecting groundwater samples from monitoring wells, temporary sampling points and extraction wells; groundwater samples are also periodically collected from

slope stability wells and hydraugers. Slope stability wells and hydraugers were not installed for groundwater monitoring purposes, therefore the results from these installations are not considered valid for quantitative determination of groundwater concentrations, although they do provide qualitative data useful for assessing plume geometry. 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 7i.

Selected groundwater samples are also analyzed for metals, PCBs, total petroleum hydrocarbons (TPH), and tritium to obtain supplemental information on groundwater quality. Samples for metals and tritium analysis are collected in accordance with the schedule approved by the Water Board (LBNL, 2005b). Radionuclides, including tritium, are not regulated under RCRA and are therefore not included in the RCRA CAP; however, tritium data have been included in the quarterly reports in order to provide a comprehensive evaluation of the status of site contaminants.

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:

**Index of Table Numbering for Groundwater Analytical Results**

| Chemical | Area | Groundwater Monitoring Wells | Temporary Groundwater Sampling Points | Groundwater Extraction or Injection Wells | Other Locations | Hydraugers |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (VOCs) | Bevalac | 5-1 and 10 | 5-2 and 10 | 5-3 | | 9 |
| | Old Town | 6-1 | 6-2 | 6-3 | 6-4 | — |
| | Support Services | 7-1 | 7-2 | — | | — |
| | Outlying | 8 | — | — | | — |
| Petroleum Hydrocarbons | Sitewide | 12 | — | — | | — |
| Tritium | Support Services and Bevalac | 13 | 13 | — | | — |
| Metals | Sitewide | 14 | 14 | | | |
| Polychlorinated Biphenyls (PCBs) | Sitewide | 15 | 15 | | | |
| Hydrochemical Indicator Parameters | Sitewide | 16 | 16 | | | |

Each of the tables listing VOC concentrations is subdivided into halogenated non-aromatic compounds, which are primarily derived from solvents, and nonhalogenated or aromatic compounds, which are primarily derived from petroleum products. In order to simplify the reporting tables, the VOC result tables only list the principal VOCs detected at the site; VOCs that have only been detected to a limited extent are listed in Table 10.

### 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 and groundwater elevation maps for the current reporting period, and 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 | | |
|---|---|---|---|
| | Concentration Map | Water Level Elevation Map | Concentration Trend Plot |
| *Bevalac Area* | | 22 | |
| 1. Building 71B Solvent Plume | 21 | — | 23 and 24 |
| 2. Building 51/64 Solvent Plume | 21 and 25 | — | 26a, 26b, 27, 28, 29a, 29b, & 30 |
| 3. Building 51L Solvent Plume | 21 and 31 | — | 32 |
| *Old Town Area* Old Town Solvent Plume | | 35 | |
| 4. Building 7 Lobe | 33 and 34 | — | 36a, 36b, 36c, 37a, 37b, 38a, 38b, 39a, & 39b |
| 5. Building 52 Lobe | 33 | — | 40, 41a, 41b, 41c, 42a, 42b, 42c, |
| 6. Building 25A Lobe | 33 | — | 43a, 43b, 44a, 44b, 45, & 46 |
| *Support Services Area* | | 48 | |
| 7. Building 69A Area of Groundwater Contamination | 47 | — | 49 |

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. For the areas, that do not constitute potential sources of drinking water, less stringent risk-based MCSs are applicable. 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 all drinking water is supplied by the East Bay Municipal Utility District (EBMUD).

Two sets of risk-based MCSs were developed: 1) target risk-based MCSs and 2) upper-limit risk-based MCSs. The target risk-based MCSs 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 target risk-based MCSs 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 is monitoring groundwater in three other areas of solvent-contaminated groundwater where corrective measures are not required. The three areas are listed in the following table, which also lists the corresponding figure numbers for isoconcentration contour maps and groundwater elevation maps for the current reporting period, and concentration trend plots.

**LBNL Groundwater Monitoring — Figure Index**
**Locations Where Corrective Measures are not required**

| Plume or Area of Groundwater Contamination | Figure Number | | |
|---|---|---|---|
| | Concentration Map | Water Level Elevation Map | Concentration Trend Plot |
| *Support Services Area* | | 48 | |
| Building 76 Groundwater Solvent Plume | 47 | | 50 |
| Building 75/75A Area of Groundwater Contamination | 47 | | 50 |
| Building 77 Area of Groundwater Contamination* | 47 | | 50 and 51 |

* Concentrations of VOCs have been below MCLs during most monitoring events since 2002.

Concentrations of VOCs in the groundwater in these three areas are below the applicable cleanup levels (risk-based MCSs) and regulatory-based MCSs do not apply because the areas do not constitute potential sources of drinking water (SWRCB Resolution 88-63). LBNL is required to monitor groundwater in these areas because VOC concentrations exceed the long-term cleanup goal for all site groundwater (MCLs). Groundwater samples are collected from monitoring wells in these three areas and analyzed for VOCs in accordance with the schedule approved by the Water Board (LBNL, 2005b).

Corrective Measures Effectiveness

The monitoring data 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 Figure 9, Figure 10, and Figure 11 provide a comparison of groundwater plume VOC concentrations between the current reporting period and 1999. The figures show the areal extent of total halogenated VOC concentrations exceeding 10 $\mu$g/L, 100 $\mu$g/L, and 1,000 $\mu$g/L, respectively. The figures show 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 approved corrective measures that have subsequently been implemented.

The groundwater sampling locations where concentrations of VOCs exceeded MCLs for drinking water during the current reporting period and the specific VOCs that exceeded MCLs are listed in Table 11. The maximum concentrations of halogenated VOCs detected above MCLs in each of the 10 areas discussed above are listed in the following table. The extent of groundwater contamination where concentrations of halogenated VOCs exceeded MCLs during the current reporting period is shown on Figure 12.

**Maximum Concentrations ($\mu$g/L) of Halogenated VOCs Detected Above MCLs during the Fourth Quarter of FY07**

| Area | Groundwater Unit | 1,1-DCA | 1,2-DCA | 1,1-DCE | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | vinyl chloride | carbon tet |
|---|---|---|---|---|---|---|---|---|---|---|
| | **MCL** | **5** | **0.5** | **6** | **6** | **10** | **5** | **5** | **0.5** | **0.5** |
| Bevalac | Building 71B Plume | | | | 21 | | 31 | 15 | 11 | |
| | Building 51/64 Plume | 3,110 | 27 | 416 | 194 | 25 | 150 | 429 | 92 | |
| | Building 51L Plume | 10 | | | 110 | 12 | 25 | 1,030 | 4.8 | 43 |
| Old Town | Old Town Plume Building 7 Lobe | 20 | 1.7 | 75 | 198 | | 9,560 | 6,080 | 1.9 | 395 |
| | Building 25A Lobe | | | 28 | | | 21 | 143 | | 0.51 |
| | Building 52 Lobe | | | | | | 9.5 | | | |
| Support Services | Building 69A Area | | | | 7.1 | | | | 9.6 | |
| | Building 75/75A Area | | | | 80 | | | 10 | | |
| | Building 76 Area | | | | 7.9 | | | 9.8 | | |
| | Building 77 Area* | | | | | | | | | |

DCA: dichloroethane PCE: tetrachloroethene DCE: dichloroethene
TCE: trichloroethene carbon tet: carbon tetrachloride

Monitoring wells (MWP-1, MWP-2, MWP-4 through MWP-8, and CD-92-28) were constructed to monitor the potential offsite migration of contaminated groundwater. Several other wells also monitor the quality of groundwater downgradient from the developed areas of the site including MW88-93-11A, MW62-92-26, MW62-92-27, MW74-94-7, MW74-94-8; MW61-92-12; MW25-95-27, MW31-98-17, and OW3-225. These 17 monitoring wells have been designated as site perimeter wells (Water Board, 1999) and their locations are shown on Figure 13. No VOCs were detected in any of the perimeter wells during the current reporting period.

### 3.1.3 Monitoring Other Chemicals in the Groundwater

Total Petroleum Hydrocarbons and Aromatic or Non-Halogenated Hydrocarbons

The presence of TPH in groundwater at LBNL is primarily the result of past releases from former underground storage tank (UST) sites. The following table summarizes TPH results for the current reporting period for groundwater samples collected at the four former UST sites that were the source of TPH-diesel (TPH-D), TPH-kerosene (TPH-K), and/or TPH-gasoline (TPH-G)

contamination in the groundwater. These results are also presented in Table 12, which summarizes TPH data from both UST and non-UST sites at LBNL. No petroleum hydrocarbons were detected in any of the samples collected during the current reporting period.

Aromatic hydrocarbons (i.e. benzene, toluene, xylenes, ethylbenzene, naphthalene, etc.) are constituents of petroleum hydrocarbons. No aromatic hydrocarbons were detected in groundwater samples collected at any of the former UST sites that were sampled for TPH during the current reporting period.

**Petroleum Hydrocarbons Detected at Former UST Sites During the Fourth Quarter of FY07**

| Unit Name[a] | Monitoring Well | TPH ($\mu$g/L) | Aromatic Hydrocarbons |
|---|---|---|---|
| Former Building 7E Diesel/Kerosene UST | MW7-92-16 | TPH-K=<50 | ND |
| | MW6-93-4 | TPH-K=<50 | ND |
| | MW6-95-14 | TPH-K=<50 | ND |
| | MW90-2 | TPH-FF=ND | ND |
| Building 76 Former Gasoline and Diesel USTs | MW76-1 | TPH-G=<200<br>TPH-D=<50 | ND |
| | MW76-98-21 | NS | ND |
| Building 74 Former Diesel UST | MW74-95-6 | TPH-D=<200 | ND |

TPH-G: Total petroleum hydrocarbons in the gasoline range
TPH-K: Total petroleum hydrocarbons in the kerosene range
TPH-D: Total petroleum hydrocarbons in the diesel range
TPH-FF: Total petroleum hydrocarbons fuel fingerprint
NS = Not sampled during the current reporting period
ND = Not detected.
< = Not detected during the current reporting period
(a) = Corrective measures are not required at any LBNL UST site.

Wells in which aromatic or non-halogenated hydrocarbons were detected during the current reporting period are listed in the following table. Except for benzene in three wells, concentrations of aromatic or non-halogenated hydrocarbons did not exceed MCLs for drinking water. Results were generally consistent with previously measured concentrations. The presence of acetone and methyl ethyl ketone in MW51-96-16 may be due to dechlorination reactions resulting from injection of HRC immediately upgradient from the well.

**Aromatic or Non-Halogenated Hydrocarbons Detected in Groundwater During the Fourth Quarter of FY07**

| Chemical | MCL (μg/L) | Well Number | Maximum Concentration (μg/L) |
|---|---|---|---|
| benzene | 1 | MW51-96-16 | 1.3 |
| | | SB58-96-2 | 1.3 |
| | | MW75A-00-7 | 100 |
| | | SB69A-99-1 | 0.98 |
| toluene | 150 | MW75A-00-7 | 2.0 |
| | | SB64-02-1 | 4.4 |
| | | SB64-02-2 | 2.0 |
| | | SB58-96-2 | 1.2 |
| | | SB69A-99-1 | 1.7 |
| acetone | not established | MW51-96-16 | 32 |
| | | MW51-00-8 | 26 |
| | | SB64-02-1 | 15 |
| methyl ethyl ketone | not established | MW51-96-16 | 52 |
| 1,4-dioxane | not established | SB64-02-1 | 4,400 |
| | | SB64-02-2 | 670 |

Tritium

The Building 75 Tritium Plume extends from the Corporation Yard (the area between Buildings 69 and 75) southward 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 a localized area near Building 71B, although concentrations in that area have been substantially less than those detected in the Building 75 area. The tritium in the groundwater in the Building 71B area was likely derived from surface runoff from the hillside northeast of Building 71, in the vicinity of the Lawrence Hall of Science.

Concentrations of tritium detected in groundwater during FY2007 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, concentrations of tritium have been declining 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 15,600 pCi/L during the current reporting period.

Tritium concentration trends in wells monitoring the Building 71 area are shown on Figure 16. The concentration of tritium in the groundwater near Building 71 has generally been below the reporting limit of 300 pCi/L since closure of the NTLF. Tritium was detected at a concentration of 373 pCi/L in MW71-95-9 during the current reporting period.

Metals

Annual site-wide sampling of groundwater monitoring wells for metals was conducted during the current reporting period. Concentrations of metals detected are listed in Table 14. Detected metals concentrations were consistent with previous analytical results. The following table lists the monitoring wells and associated metals that were detected at concentrations above LBNL background levels (LBNL, 2002a) and MCLs for drinking water during the current reporting period. In addition, molybdenum, which has no MCL, was detected at a concentration above the background level in five wells.

**Metals Detected at Concentrations Above MCLs and Background Levels During the Fourth Quarter of FY07**
(Concentrations in $\mu$g/L)

| | **Arsenic** | **Selenium** |
|---|---|---|
| Drinking Water Standard | 50 | 50 |
| Background (LBNL, 2002a) | 56 | 12 |
| MW64-97-1 | 61 | - |
| MW64-97-2 | - | 73 |

On September 5, 2007 groundwater samples were collected from six temporary groundwater-sampling points (SB10-07-1 through SB10-07-6) at the former Building 10 site and analyzed for metals (Table 14). The locations of the sampling points are shown on Figure 7a.

Except for antimony and molybdenum, concentrations of metals were within the statistically estimated LBNL background levels (LBNL, 2002a). The concentrations of antimony detected were less than MCLs for drinking water. There is no MCL established for molybdenum.

PCBs

Groundwater samples collected from three areas where PCBs had been detected in the soil during the RFI (Building 52B Former Abandoned Above-Ground Liquid Waste Storage Tank, former Building 75 Hazardous Waste Handling Facility, and Building 51 Motor Generator Room Basement) were analyzed for PCBs during the current reporting period. No PCBs were detected (Table 15).

## 3.2 SURFACE WATER SAMPLING

No surface water samples were collected by the LBNL ERP during the current reporting period. Surface water samples were previously collected in March 2007 and analyzed for VOCs (Table 17a), metals (Table 17a), and tritium (Table 17b). Surface water sampling locations are shown on Figure 17. No VOCs were detected. Arsenic, barium, selenium, vanadium, and zinc were the only metals detected. Concentrations of metals detected were consistent with previous results and are likely naturally occurring.

In accordance with a request of the Water Board to incorporate stormwater data into the Annual Status Summary reports, Table 17b includes results for stormwater samples collected by the LBNL ESG in FY07 and analyzed for tritium. In addition to the creeks sampled for tritium by the ERP, (Chicken Creek and North Fork Strawberry Creek), the ESG Surface Water Program collects samples from Strawberry Creek on the UC campus. Tritium (416 pCi/L maximum) was detected in three of the eleven samples collected from Chicken Creek in FY07 and one (209 pCi/L) of the nine samples collected from North Fork Strawberry Creek. Tritium was not detected in the samples collected from Strawberry Creek on the UC campus.

## 3.3 ENVIRONMENTAL INVESTIGATION AT THE FORMER BUILDING 10 SITE

Summary of Results from Previous Reporting Period

In June and July 2007, Building 10 was demolished to make way for construction of the Advanced Light Source (ALS) User Support Building. During the previous reporting period, samples of sediment found in the sanitary sewer line under the former building location were analyzed for potential contaminants, including metals and VOCs. The sediment contained VOCs and nine metals at concentrations that exceeded LBNL soil background levels (LBNL, 2002b). During the demolition process, breaks were observed in the sewer line at two locations. To assess whether the breaks had resulted in releases to the environment, soil samples were collected beneath the pipe break locations and analyzed for VOCs and metals. No VOCs were detected and concentrations of metals were within LBNL background levels. These results indicated that the breaks in the sewer line were unlikely to have resulted in a release of contaminants to the environment.

Groundwater Sampling

To assess potential impacts to groundwater, a temporary groundwater sampling point (SB10-07-1) was installed on August 1, 2007 in the estimated downgradient direction from the area of the pipe breaks (Figure 18). A pre-development groundwater sample collected from SB10-07-1 on August 15, 2007 was analyzed for VOCs and for metals. Tetrachloroethene (PCE), trichloroethene (TCE), and carbon tetrachloride were detected (Table 6-2). Mercury and molybdenum were detected at concentrations above LBNL background levels (LBNL, 2002b) (Table 14). The concentration of mercury detected was below the MCL for drinking water. There is no MCL established for molybdenum.

On August 16, 2007, based on the preliminary predevelopment result, LBNL verbally notified the DTSC of the finding of a possible new release of hazardous waste or hazardous constituents. On the same day, LBNL provided written notification to DTSC by e-mail. On August 24, 2007, LBNL provided DTSC with a second e-mail summarizing the findings.

During late August 2007, five additional temporary groundwater sampling points (SB10-07-2 through SB10-07-6) were installed beneath the former Building 10 footprint (Figure 18). On September 4, 2007, following development of all six sampling points (SB10-07-1 through SB10-07-6), groundwater samples were collected and analyzed for VOCs. No VOCs were detected in any of the sampling points, including SB10-07-1, where VOCs were initially reported in a pre-development sample (Table 6-2).

On September 5, 2007 groundwater samples were collected from the six temporary groundwater-sampling points (SB10-07-1 through SB10-07-6) and analyzed for metals (Table 14). Except for antimony in SB10-07-2 and SB10-07-4 and molybdenum in SB10-07-1, concentrations of metals were within the statistically estimated LBNL background levels. The concentrations of antimony detected were less than MCLs for drinking water. There is no MCL established for molybdenum.

On September 6, 2007, to confirm the absence of VOCs in the September 4, 2007 sample from SB-10-07-1, duplicate groundwater samples were collected from SB10-07-1 and analyzed for VOCs by the LBNL Environmental Measurement Laboratory (EML) and BC Laboratories (BC). No VOCs were detected in either sample, suggesting that the VOCs present in the pre-development sample may not have been representative of groundwater VOC concentrations.

Soil Sampling

Soil samples were collected at approximately 10-foot intervals from the boring for SB10-07-1 and at 5-foot intervals from the borings for SB10-07-2 through SB10-07-6 and analyzed for VOCs. Concentrations of VOCs detected are listed in Table 18a and shown at the sampling locations on Figure 18. PCE was detected in 2 of the 71 samples collected, with the concentrations approximately at, or slightly above, the laboratory detection limit. TCE and benzene were detected in one sample each, also at concentrations near the detection limit. The detected concentrations were approximately two orders of magnitude below the DTSC approved MCSs for LBNL (LBNL, 2005a). A sample collected from 5 feet bgs in SB10-007-1 was also analyzed for metals (Table 18b). Concentrations of metals were within LBNL background levels (LBNL, 2002b).

Soil Gas Screening

To provide a more comprehensive evaluation of potential releases from the sewer lines, 30 soil gas probes were installed in July 24, 2007 along the former sewer line alignments under Building 10. Soil gas screening was conducted on October 2, 2007 using a portable photoionization detector (PID). No ionizable gases (i.e. VOCs) were detected above the detection limit of the PID (<0.1 parts per million [ppm]), indicating that soil gas beneath the sewer lines had not been impacted by releases from the sewer lines.

Reporting to DTSC

On September 12, 2007, LBNL submitted a letter to DTSC rescinding its August 2007 Release Notification. The rescission was based on the post-development groundwater samples collected from the six temporary groundwater sampling points installed at the former Building 10 site. No VOCs were detected in any of the post-development groundwater samples including three post-development samples (two primary samples and a duplicate) collected from SB-10-07-1, indicating that impacts to groundwater at this location were unlikely. This finding was substantiated by the soil sampling results that showed no evidence of significant soil contamination and the soil gas screening results that showed that no detectable ionizable organic vapors are present in soil gas. The detection of low levels of VOCs in the pre-development sample from SB10-07-1 was attributed to possible cross contamination during well drilling or sampling.

In October 2007 (next reporting period) LBNL submitted a detailed report on the former Building 10 site investigations to DTSC. In the report LBNL proposed that no further action should be required at the site and requested that DTSC concur with this proposal. In a letter from DTSC dated November 16, 2007, DTSC concurred with the report recommendations and concluded that no further action was needed.

## 3.4 ENVIRONMENTAL INVESTIGATION AT THE FORMER BUILDING 29 SITE

At the beginning of September 2007, the Building 29 trailers were torn down to make way for construction of a Guest House to be used for temporary lodging of visiting laboratory researchers. On September 5, 2007, a contractor working on the project located an abandoned oil drain line associated with a former above-ground tank that was removed in the late 1980s. The line was apparently used to connect the tank to adjacent Building 80 facilities. The location of the former above-ground tank and abandoned drain line are shown on Figure 19.

In the process of uncovering the drainline, approximately one quart of a petroleum product spilled from the pipe onto the underlying soil. On September 18, 2007, even though the volume of the spill was below threshold reporting quantities and no surface water was impacted, LBNL verbally notified the City of Berkeley Toxics Division of the release. The City of Berkeley Toxics Division, informed LBNL that there was no permitting needed for the cleanup or removal of the material (spill response), but recommended that LBNL collect a representative post-cleanup sample of soil below the spill location and then check for other leaks along the drain line.

Samples of the liquid were collected and analyzed for purgeable aromatic hydrocarbons and total petroleum hydrocarbons, PCBs, VOCs, semi-volatile organic compounds (SVOCs), flashpoint, metals, gross alpha radiation, gross beta radiation, and tritium. The fluid in the pipe was characterized as hydraulic/motor oil. Except for 1,2-dichlorobenzene, no other analytes were detected.

Soil Sampling

On September 18, 2007, the construction contractor Alarcon Boen excavated the remaining visibly contaminated soil at the spill location (approximately 0.5 cubic yards). After the visibly contaminated soil was removed, soil sample SS01 was collected beneath the end of the pipe and analyzed for gasoline-range, diesel-range, and motor-oil-range organics and benzene, toluene, ethylbenzene, and xylenes (BTEX). The only analyte detected was diesel (660

mg/kg) (Table 18a).

On September 19, 2007, the construction contractor removed the section of the drain line that extended through the planned Guest House construction area. In addition, the concrete pad on which the former above-ground storage tank was located was removed to allow sampling.

On September 20, 2007, approximately 6 inches of additional soil was excavated from the spill location, then soil sample SS07 was collected from the base of the excavation. In addition, soil samples SS02 and SS03 and SS08 through SS12 were collected at 20-foot intervals beneath the removed drain line and samples SS04, SS05, and SS06 were collected at three locations under the former concrete pad location. All of the samples were analyzed for gasoline-range, diesel-range, and motor-oil-range organic compounds and BTEX (Table 18a). No gasoline-range organic compounds or BTEX was detected. Diesel-range organic compounds (360 mg/kg maximum concentration) were detected in all 11 samples and motor-oil-range organics (260 mg/kg maximum) in three of the samples (Table 15a). Concentrations of diesel and/or motor-oil-range organic compounds exceeded 100 mg/kg at four locations, including two locations beneath the former concrete tank pad, the spill location, and the upper end of the removed drain line. Concentrations of TPH detected are shown at the sampling locations on Figure 19.

Soil Excavation and Confirmation Sampling

LBNL excavated all soil contaminated with diesel-range or motor-oil-range total petroleum hydrocarbons exceeding the ESL 100 mg/kg, which is the Water Board's Environmental Screening Levels (ESL) for residential land use. After the soil was excavated, confirmation samples SS29-07-1, -2, -3 and -4 were collected from the base of the excavations and analyzed for TPH-D and TPH-motor oil. No TPH-D (<10 mg/kg) or TPH-motor oil (<20 mg/kg) was detected (Table 18a and Figure 19).

Reporting to City of Berkeley

On October 26, 2007, LBNL provided a report to the City of Berkeley Toxics Division to document compliance with their recommendations and provide data to support the decision that no further action was required at the site.

## 3.5 BUILDING 76 PRESENT AND FORMER WASTE ACCUMULATION AREA #3

The Human Health Risk Assessment (LBNL, 2003) estimated that the theoretical ILCR to hypothetical future residents at the Building 76 Present and Former Waste Accumulation Area (WAA) #3, (Solid Waste Management Unit [SWMU] 4-6) was slightly above $10^{-6}$ for the soil ingestion pathway. A theoretical ILCR above $10^{-6}$ is considered unacceptable for residential land use. The exceedence of the $10^{-6}$ level was based on a single soil sample collected in 1992 (BS76-92-5B) at a depth of 8.5 feet that contained cadmium at a concentration of 6.2 mg/kg, slightly above the LBNL upper estimate of background (5.6 mg/kg). The four other samples collected from the site within the depth interval considered for the residential land use evaluation (upper 10 feet) all contained cadmium at concentrations below the LBNL upper estimate of background. Since there were an insufficient number of samples to provide a statistical estimate of the cadmium exposure-point concentration (EPC) for soil at the unit, the maximum concentration detected was used for the risk evaluations, which provided a highly conservative estimate of risk.

In August 2007, ten soil samples were collected from five shallow borings (SB76-07-1 through SB76-07-5) drilled at the Building 76 Present and Former WAA #3 and analyzed for cadmium. The intent of the sampling was to collect sufficient data to support a recommendation to DTSC that the unit is acceptable for unrestricted use, if warranted by the results. Samples were collected at the location of BS76-92-5B, which was the sampling location where the background level was exceeded, and from four other borings located approximately 5 feet from BS76-92-5B (Figure 20). In order to obtain representative results for the upper 10 feet of soil (the potential exposure interval for residential land use), samples were collected at depths of approximately 4 and 8 feet from each boring.

Cadmium was not detected (<0.5 mg/kg) in any of the samples. The data will be evaluated, and if the results of the evaluation warrant, a report will be submitted to DTSC requesting that DTSC concur with LBNL's recommendation that the unit is acceptable for unrestricted use.

## 3.6 DOCUMENTS AND MEETINGS

Documents

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

- On July 26, 2007, LBNL submitted a permit application to the City of Berkeley to construct groundwater extraction well EW58-07-1 and temporary groundwater sampling point SB10-07-1.

- On August 17, 2007, LBNL submitted the Quarterly Progress Report for the Second Quarter of FY07 to the DTSC.

- On August 16, 2007, LBNL notified the DTSC of a possible newly discovered release of hazardous waste or hazardous constituents at the Building 10 demolition site. On August 24, 2007, LBNL provided DTSC with a second e-mail summarizing the findings. On September 12, 2007, LBNL submitted a letter to DTSC rescinding the August 24 Release Notification based on the results of an extensive environmental investigation of the site.

- On August 18, 2007, LBNL submitted a permit application to the City of Berkeley to construct five temporary groundwater sampling points (SB10-07-2 through SB10-07-6) at the former Building 10 site.

Meetings

On August 2, 2007, LBNL together with DTSC staff presented the status of LBNL ERP activities to the City of Berkeley Community Environmental Advisory Commission (CEAC)

# SECTION 4

# CORRECTIVE MEASURES IMPLEMENTATION STATUS

## 4.1 SUMMARY OF CORRECTIVE MEASURES

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 DTSC approved corrective measures. It also provided the data to support a determination that corrective measures were completed at the two soil units included in the CMI, and documented that the implemented measures were generally effective in reducing concentrations of the Chemicals of Concern (COCs) in the groundwater. 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).

In addition to the DTSC-required corrective measures listed in the table, operation of the Building 6 dual-phase (groundwater and soil vapor) extraction system continued during the current reporting period. The Building 6 system was installed to extract petroleum hydrocarbons from the soil and groundwater at the Building 7E Former UST site. No petroleum hydrocarbons were detected in groundwater samples collected at this former UST site during the current reporting period. TPH-K was last detected at the site during the fourth quarter of FY05.

Subsequent to approval of the CMI Report by DTSC, the following additional actions were implemented to enhance the approved corrective measures. Operation of these enhancements continued during the current reporting period.

- Extraction of groundwater from EW51-07-1 and EW51-07-2 to control migration of contaminated groundwater from the Building 51/64 Groundwater Solvent Plume source area southward under Building 51.
- Extraction of groundwater from EW51B-07-1 and EW51B-07-2 to control any potential downgradient migration of the Building 51/64 Groundwater Solvent Plume.

## 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 for contaminants in the downgradient plume area.<br>• HRC injection in the upgradient core area.<br>• Extraction and treatment of contaminated water from the Building 51 subfloor drainage system. |
| Building 51L Groundwater Solvent Plume | • Extraction and treatment of groundwater from EW51L-06-1 and EW51A-06-1.<br>• Extraction and treatment of water from the concrete sump installed inside Building 51A. |
| Building 7 Lobe of the 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 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 of the 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 of the Old Town Groundwater Solvent Plume | • In situ soil flushing (groundwater 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 | • Enhanced bioremediation (MNA with HRC injection) in the source area. |

Monitored Natural Attenuation (MNA) and Enhanced Bioremediation

As noted in the previous table, 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 is being injected into the groundwater at two of these units (Building 51/64 and Building 69) to enhance natural biodegradation processes. HRC is also being injected into the Building 71B plume source area. To help assess the effectiveness of MNA/enhanced bioremediation in achieving the required MCSs, hydrochemical parameters indicative of the potential for biodegradation are being monitored (Table 16).

Enhancements to Existing Corrective Measures

One groundwater extraction well (EW58-07-1) was installed at the downgradient edge of the core area of the Building 7 lobe of the Old Town Groundwater Solvent Plume during the current reporting period. The location of the well is shown on Figure 7b. The purpose of the extraction well is to provide additional control on plume migration and to flush contaminants from the groundwater. The well was installed to a total depth of 30.1 feet and constructed with 5-inch diameter PVC casing. Twenty feet of screen was installed in the bottom of the well. The extracted water is piped to the holding tank on the Building 53/58 slope and treated at the Building 7 Treatment System.

## 4.2 STATUS OF GROUNDWATER UNITS REQUIRING CORRECTIVE MEASURES

As described above, corrective measures are required at seven groundwater units, three 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). The corrective measures approved by DTSC for each of these units are listed in Section 4.1. 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.

### 4.2.1 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 shown on Figure 21, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Bevalac Area. The groundwater level elevation map for the Building 71B plume area is included on Figure 22.

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

Corrective Measures

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 at temporary groundwater sampling point 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 help 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 21. The water treated at the firetrail system can either be piped to Building 71B or Building 64 for soil flushing purposes or discharged to the sanitary sewer if it is not needed for flushing.

Effectiveness of Corrective Measures

The magnitude and extent of the Building 71B plume are decreasing, in that contaminant concentrations detected in most wells monitoring the plume have declined over 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 source-area groundwater from over 6,000 $\mu$g/L in 2004 prior to soil flushing, to less than 50 $\mu$g/L currently. Concentrations of individual COCs detected in source-area wells (MW71B-99-3R, SB71B-03-1, and SB71B-03-2) have generally been declining, as shown on Figure 23. Concentrations of PCE, TCE, and cis-1,2-DCE, have declined to values near MCLs, which are the applicable MCSs for the Building 71B plume. However, vinyl chloride concentrations have increased, likely the result of biodegradation of the more highly chlorinated VOCs present in the groundwater.

A long-term decreasing trend in total VOC concentrations has also been observed in MW90-3, which is located at the downgradient margin of the plume core, from 95 $\mu$g/L in 1992 to 24 $\mu$g/L during the current reporting period. Individual COCs (cis-1,2-DCE, PCE, and TCE) continue to show a decreasing trend, with concentrations declining to levels slightly above the MCS (MCL) (Figure 24). Since concentrations of VOCs in the groundwater in the source area have been significantly reduced as described above, migration of VOCs into the core and downgradient areas should continue to decline, with resulting concentration decreases in those areas.

Concentrations of VOCs have also been decreasing in the hydrauger effluent (hydraugers 51-01-01, 51-01-02, 51-01-03, 51-01-03A, and 51-01-04), with all concentrations below MCLs since May 2006 (Table 9).

### 4.2.2 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 beneath the former location of Building 51B. The location of the plume is shown on Figure 21, which is an isoconcentration contour map for total halogenated

hydrocarbons detected in groundwater in the Bevalac Area. Figure 25 is an isoconcentration contour map for the source area. The groundwater level elevation map for the Building 51/64 plume area is included on Figure 22.

The principal plume constituents are halogenated VOCs that were used as cleaning solvents, including 1,1,1-trichloroethane (TCA), TCE, PCE, and their associated degradation products (e.g. 1,1-DCE, 1,1-dichloroethane (DCA), 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 have contributed to the plume.

Corrective Measures

The location and layout of the Building 51/64 in-situ soil-flushing system is shown on Figure 25. 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). The injected water 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 extraction 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 SB64-00-1 and from EW64-06-1 located south of Building 64 in the plume core area. The extracted groundwater is treated at two GAC systems, with most of the water routed to the Building 64 Treatment System and recirculated to the injection trench. The remaining water, which is extracted from well EW64-00-1 within the backfilled source area ICM excavation, is treated at the Building 51 Motor Generator Room Treatment System. The treated water from this system is discharged to the sanitary sewer.

During the third quarter of FY07, four new groundwater extraction wells were installed to better control potential plume migration. Wells EW51-07-1 and EW51-07-2 control migration from the source area southward under Building 51, while EW51B-07-1 and EW51B-07-2 control potential downgradient plume migration. Groundwater extracted from EW51-07-1 and EW51-07-2 is treated at the Building 51 Motor Generator Room system. Groundwater extracted from

EW51B-07-1 and EW51-07-2 is treated at the Building 51L system. The treated water from this system is discharged to the sanitary sewer.

MNA is the corrective measure approved for the downgradient plume area. In May 2006, two HRC injection wells (IW64-06-2 and IW64-06-3) were installed east of the former location of Building 51B, in the core area of the Building 51/64 plume (Figure 25) to enhance natural biodegradation processes in the downgradient plume area.

The Building 51 Motor Generator Room Basement discharge sump collects effluent water from the Building 51 subdrain system. The effluent is captured and treated at the Building 51 Motor Generator Room Treatment System to prevent the migration of the contaminated subdrain water to surface water. The effluent water will continue to be treated as long as detectable concentrations of VOCs are present.

Effectiveness of Corrective Measures

The extent of the Building 51/64 Groundwater Solvent Plume appears to be stable, in that contaminant concentrations detected in most wells monitoring the plume have remained relatively constant or have declined over several years of monitoring. The magnitude of contaminant concentrations within the plume has been decreasing, particularly in the source area. 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 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 the two multi-port wells (SB64-02-1 and SB64-02-2) inside Building 64, the concentration of total VOCs detected in the source area has decreased from more than 700,000 $\mu$g/L prior to the source area ICM excavation to less than 1,000 $\mu$g/L. The maximum concentration of total VOCs detected during the current reporting period was 7,499 $\mu$g/L (in SB64-02-1). The primary contaminant detected in this well was 1,4-dioxane (4,400 $\mu$g/L maximum). 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. Excluding the two multi-port wells, the maximum concentration of total VOCs detected during the current reporting period was 628 $\mu$g/L.

Concentrations of VOCs in the two upgradient core area temporary groundwater sampling points (SB64-03-5 and SB64-03-6) have decreased approximately 50% (Figure 27) since the groundwater collection trench southeast of Building 64 was constructed at the end of 2005.

Concentrations of VOCs in the two core-area monitoring wells (MW51-96-16 and MW51-96-17) immediately downgradient from HRC injection wells (IW64-06-2 and IW64-06-3) have also shown significant declines in concentrations (Figure 28). Since 1997, the concentration of total VOCs in MW51-96-16 has declined from approximately 1,000 $\mu$g/L to less than 100 $\mu$g/L. After HRC injection was started in May 2006, the concentration of total VOCs declined from approximately 200 $\mu$g/L in both wells to 70 $\mu$g/L in MW51-96-16 and to 10 $\mu$g/L in MW51-96-17. Concentrations of VOCs in the downgradient core area monitoring wells (MW51-97-12 and MW51-97-3), however, have remained relatively constant (Figure 28).

Concentrations of VOCs in crossgradient wells show wide variations, though generally concentrations in most wells have been relatively stable or show decreasing trends since construction of the groundwater collection trench southeast of Building 64 at the end of 2005 (Figure 29a and Figure 29b). Exceptions to this observation are concentrations of VOCs detected in temporary sampling points SB51-98-1 and SB51-98-6, both located under the northern end of Building 51, which show increasing trends (Figure 29a), which was apparently the result of soil flushing in the source area. As noted previously, extraction wells EW51-07-1 and EW51-07-2 were installed during the previous reporting period to control migration of contaminated groundwater from the Building 51/64 Groundwater Solvent Plume source area southward under Building 51. Extraction from these two wells should alleviate the increasing trend in concentrations observed in SB51-98-1 and SB51-98-6.

Target risk-based MCSs are the applicable MCSs in the plume source and core areas and MCLs are the applicable MCS in the downgradient core area and downgradient areas. Although

concentrations of COCs detected in the source area groundwater have decreased significantly, vinyl chloride still exceeds the target risk-based MCS in the two multi-port wells and SB64-99-4. The concentration of vinyl chloride in SB64-99-4 is approximately two times the target risk-based MCS of 12 $\mu$g/L. In addition, the concentration of vinyl chloride exceeds the target risk-based MCS in core area well MW51-96-16.

Several COCs 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. Concentrations of COCs in wells in the downgradient plume periphery, however, 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).

Groundwater samples have been collected from four Building 51/64 plume area wells and analyzed for hydrochemical parameters indicative of the potential for biodegradation. Two of the wells (MW51-96-16 and MW51-96-17) are located immediately downgradient from the HRC injection wells and the other two wells (MW-97-12 and MW51-97-13) further downgradient. 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 (Table 16). The presence of VFAs in MW51-96-16 and MW51-96-17 above the 0.1 mg/L level measured in wells outside the HRC injection areas (MW71-95-9 and MW51-97-13) indicates that injected HRC is being metabolized to VFAs and biodegradation through oxidation has occurred.

### 4.2.3 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. The location of the plume is shown on Figure 21. Isoconcentration contour s for total halogenated VOCs in the Building 51L plume area are shown on Figure 31. A groundwater elevation map for the Bevalac Area, including the Building 51L plume area, is shown on Figure 22.

The primary source of contamination for the Building 51L Groundwater Solvent Plume appear to have been solvent spills approximately within the former footprint of Building 51L that occurred prior to construction of the building. Also, since relatively high concentrations of VOCs are present in the groundwater adjacent to Building 51A (Figure 31), a secondary source of contamination in the Building 51L area was likely the abandoned Building 51A stormdrain catch basin. The principal constituents currently detected in the main plume area are halogenated VOCs that were used as cleaning solvents, including TCE and associated degradation products (e.g., cis-1,2-DCE and vinyl chloride). The groundwater in the vicinity of the abandoned catch basin contains a slightly different suite of halogenated VOCs than has been detected in the main plume area.

Corrective Measures

The primary corrective measure implemented for the Building 51L plume consisted of excavation of contaminated soil from the source area. A groundwater extraction well (EW51L-06-1) was installed within the excavation backfill near the deepest corner of the excavation. Extraction of contaminated groundwater from the well should expedite the reduction of VOC concentrations in the groundwater. 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 beginning of 2007, temporary groundwater sampling point SB51A-01-8B, which had been screened beneath the base of the abandoned catch basin, was replaced with groundwater extraction well EW51A-06-1.

Effectiveness of Corrective Measures

The extent of the Building 51L Groundwater Solvent Plume appears to be stable, with total VOC concentrations within the plume decreasing. The maximum concentration of total VOCs detected in wells monitoring the main Building 51L plume area prior to excavation of contaminated source-area soils was approximately 1,000 $\mu$g/L, with the concentration of vinyl

chloride well above the target risk-based MCS. Currently, concentrations of total VOCs in extraction well EW51L-06-1 are approximately 30 $\mu$g/L or less, with all concentrations less than target risk-based MCSs, the applicable MCSs for the Building 51L plume. The only VOC detected above target risk-based MCSs in EW51A-06-1 since completion of the excavation has been carbon tetrachloride (two of the eight times the well has been sampled). Concentration trends for total halogenated VOCs detected in groundwater extraction wells EW51L-06-1 and EW 51A-06-1, both installed following completion of the excavation, are shown on Figure 32. Concentrations of VOCs appear to be relatively stable in EW51L-06-1 and declining in EW51A-06-1.

### 4.2.4 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 33, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Old Town Area. Figure 34 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 35.

The principal lobe constituents are halogenated VOCs that were used as cleaning solvents, 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

The location and layout of the Building 7 lobe in situ soil flushing and groundwater capture system is shown on Figure 34. The system is designed to flush contaminants from the

subsurface in the source and upgradient core areas of the Building 7 lobe, and to control migration of contaminated groundwater in downgradient areas. The principal components of the soil-flushing system, which was completed in several stages from 1996 to 2004, consist of the following:

- Building 7 Sump excavation extraction well (EW-7-06-1)
- Building 7 Collection Trench in the plume source area downgradient of the Former Building 7 Sump
- Building 7 Soil Flushing Injection Trench and extraction well system
- Dual phase extraction wells (Building 53/58 Slope Collection Trench) on the Building 53/58 Slope
- Building 58 East Collection Trench and extraction well EW58-07-1 near the southeast corner of Building 58
- Building 58 West Collection Trench at the downgradient lobe margin

Groundwater extracted from the trenches and extraction well system is primarily treated at the Building 7 Treatment System, and the treated water is reinjected for soil flushing purposes. The groundwater extracted from the collection trench west of Building 58 is treated at the Building 51 Firetrail Treatment System.

In addition, 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. The contaminated effluent is pumped to the Building 51 Fire Trial Treatment System.

Effectiveness of Corrective Measures

The Building 7 lobe appears to be stable, in that most wells monitoring the plume source and core areas have had significant declines in VOC concentrations, and concentrations in downgradient area wells have remained relatively constant over several years of monitoring. Concentration trends for total halogenated VOCs detected in groundwater samples collected in

wells monitoring the plume are shown on Figure 36a for the source area, Figure 36b for the core area, and Figure 36c for the downgradient and crossgradient areas.

As can be seen on Figure 36a and Figure 36b, the ongoing in situ soil flushing in the source and core areas has significantly reduced VOC concentrations in source and core area wells. The maximum concentration of total VOCs detected in source area wells has declined from more than 100,000 $\mu$g/L to less than 500 $\mu$g/L. The maximum concentration of total VOCs detected in core area wells has decreased from approximately 100,000 $\mu$g/L to 15,000 $\mu$g/L or less. Concentrations of VOCs in crossgradient area wells have also been declining (Figure 36c). However, as can be seen on Figure 36c, concentrations in downgradient wells appear to be stable (MW58-95-18, MW58-5-19, and MW58-93-3) or possibly declining (MW58A-94-14 and MW58-95-20).

Concentration trends for individual Building 7 lobe COCs (PCE, TCE, carbon tetrachloride, and vinyl chloride) are shown on Figure 37a and Figure 37b for source area wells, Figure 38a and Figure 38b for upgradient core area wells, and Figure 39a and Figure 39b for downgradient core area wells. As can be seen on Figures 37a and 37b, soil flushing has reduced VOC concentrations in source area monitoring wells below target risk-based MCSs, the applicable MCSs for the source area. There have also been significant reductions in COC concentrations in the core area, with concentrations decreasing to levels below target risk-based MCSs, the applicable MCSs for the core area, in most monitoring wells (Figure 38a, 38b, 39a, and 39b). However, concentrations of PCE, carbon tetrachloride, and vinyl chloride still remain above target risk-based MCSs in several core area wells including EW7-03-3, EW7-96-1, MP7-99-1BR, and MP7-99-2BR in the upgradient core area and MW58-00-12 and MW58-96-11 in the downgradient core area. The concentrations, however, are at levels substantially below the upper-limit risk-based MCSs.

MNA is the corrective measure approved for the periphery of the downgradient area of the Building 7 lobe extending through the southern end of Building 58. Groundwater samples have been collected from two wells in that area (MW58-93-3 and MW58A-94-14) and analyzed for hydrochemical parameters indicative of the potential for biodegradation. The concentrations of most of the hydrochemical indicator parameters measured are outside of the optimum range

for biodegradation (Table 16). In addition, the concentrations of VOCs in downgradient area wells have remained relatively constant (Figure 36c). Based on these two factors, the potential effectiveness of MNA in reducing VOC concentrations to MCLs, the applicable MCSs in the downgradient periphery plume area, currently appears questionable, at least in the short term. Groundwater extraction well EW58-07-1 was therefore installed during the current reporting period to control potential plume migration in the downgradient plume area. However, since concentrations of VOCs in the groundwater in the source and core areas have been significantly reduced, as described above, migration of VOCs into the downgradient area should decline in the long term, with resultant decreases in concentrations.

### 4.2.5 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 lobe within the Old Town plume is shown on Figure 33. Groundwater elevation contours for the Building 52 lobe area are shown on Figure 35.

The principal lobe constituents are halogenated VOCs that were used as cleaning solvents, including 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 Building 52 lobe in situ soil-flushing system includes seven injection wells (IW5-04-1, IW5-04-2, MW52A-98-1, MW91-9, IW27-04-1, MW91-8, and IW7C-04-1). The injected water is captured by four extraction wells within the lobe (MW52A-98-8B, MW52-95-2B,

EW53-04-2, and EW7C-04-2), and by the Building 46 Subdrain at the downgradient lobe margin. The locations of the wells and subdrain are shown on Figure 33. Groundwater extracted from the first three wells is treated at the Building 53 Treatment System. Groundwater extracted from the fourth well (EW7C-04-2) is treated at the Building 7 system. The groundwater treated by the Building 53 and Building 46 systems is recirculated to the injection wells for continued flushing.

The downgradient migration of the Building 52 lobe is controlled by the Building 46 subdrain. The contaminated groundwater extracted from the subdrain is treated at the Building 46 Treatment System and then recirculated for soil flushing purposes into injection wells in the source area of the Building 52 lobe.

Effectiveness of Corrective Measures

The magnitude and extent of the Building 52 lobe appear to be decreasing, in that contaminant concentrations detected in most wells monitoring the lobe have declined over several years of monitoring. As shown on Figure 40, concentration trends for total halogenated VOCs detected in most 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 $\mu$g/L to less than 10 $\mu$g/L.

Concentration trends for individual Building 52 lobe COCs (PCE, TCE, cis-1,2-DCE, 1,1-DCE, carbon tetrachloride, and chloroform) are shown on Figure 41a, Figure 41b, and Figure 41c for source area wells and Figure 42a, Figure 42b, and Figure 42c for downgradient area wells. As can be seen on the figures 40 through 42c, soil flushing in the source area has reduced VOC concentrations throughout the Building 52 lobe to levels below regulatory-based MCSs (MCLs), the applicable MCS for the Building 52 lobe.

### 4.2.6 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 Building 25 subplume extends from east of Building 25A to south of Building 25. The locations of the plume and subplumes within the Old Town plume are shown on Figure 33. Groundwater elevation contours for the Building 25A lobe area are shown on Figure 35.

The principal constituents of the Building 25A subplume are halogenated VOCs that were used as cleaning solvents, including TCE and its degradation products (e.g. 1,1-DCE and cis-1,2-DCE). Groundwater sampling results indicate that the source area was near the western end of Building 25A. The principal constituents of the Building 25 subplume are PCE and carbon tetrachloride; however, a specific source has not been identified.

Corrective Measures

The in situ soil-flushing system for the Building 25A subplume consists of a groundwater extraction trench west of Building 25A, a gravel-filled infiltration bed immediately upgradient of the trench, and groundwater extraction well MW25A-98-3 located north of Building 25A. The groundwater collection trench controls the migration of contaminated groundwater from the Building 25A lobe source area. The extracted groundwater is treated at the Building 25A Treatment System and then injected into the infiltration bed. The in situ soil-flushing system for the Building 25 subplume 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 trench are shown on Figure 33.

Contaminated groundwater that is present in an electrical utility manhole east of Building 6 is pumped from the manhole to the Building 6 Treatment System. This measure prevents the migration of contaminated groundwater through electrical conduits to the Building 37 area.

Effectiveness of Corrective Measures

The extent of the Building 25A lobe appears to be stable, in that contaminant concentrations detected in most wells monitoring the plume have remained relatively constant or have declined over several years of monitoring. Concentrations of total halogenated VOCs within the subplumes have been declining.

*Building 25A Subplume*

Concentration trends for total halogenated VOCs detected in wells monitoring the Building 25A subplume are shown on Figure 43a and Figure 43b 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 subplume, with declining trends in downgradient area wells accelerating after the start of flushing in the source area. Concentration trends for individual Building 25A subplume COCs (TCE, cis-1,2-DCE, and 1,1-DCE) are shown on Figure 44a and Figure 44b for source area and downgradient area wells, respectively. Concentrations of these constituents have generally declined in wells monitoring the subplume since the initiation of soil flushing, with the exception of SB25A-96-3, which is located at the southern edge of the source area (Figure 33). TCE exceeds the regulatory-based MCS (MCL) in most 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.

Concentrations of VOCs in the downgradient plume area remained relatively constant or were declining prior to soil flushing, indicating that equilibrium had been reached between advection of COCs and degradation in the downgradient area. Since concentrations of COCs in the groundwater in the source area have been significantly reduced as described above, the advection of COCs into the core and downgradient areas should decline over time, with further resultant declines in concentrations.

*Building 25 Subplume*

Concentration trends for total halogenated VOCs detected in wells monitoring the Building 25 subplume are shown on Figure 45. As shown on the figure, in situ soil flushing south of Building 25 has resulted in significant reductions in the concentrations of VOCs detected in wells monitoring the Building 25 subplume.

Concentration trends for individual Building 25 subplume COCs (PCE, TCE, and carbon tetrachloride) are shown on Figure 46. Significant declines in the concentrations of carbon tetrachloride and TCE were observed after the initiation of soil flushing south of Building 25. Concentrations of all VOCs are currently below regulatory-based MCSs (MCLs), the applicable MCSs for the Building 25 subplume.

### 4.2.7 Building 69A Area of Groundwater Contamination

Description

The location of the Building 69A Area of Groundwater Contamination is shown on Figure 47, 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 48.

The principal groundwater contaminants are degradation products (e.g., cis-1,2-DCE and vinyl chloride) of halogenated VOCs that were used as cleaning solvents. The most likely 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, HRC injection has been implemented in conjunction with MNA in order to enhance the natural degradation of groundwater contaminants. In 2005, SB69A-05-1 was

installed in the source area of the plume to allow the injection of HRC. HRC injection wells IW69A-06-1 and IW69A-06-2 were installed in May 2006 to enhance the delivery of HRC to the subsurface. The locations of the wells are shown on Figure 47.

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 COCs (vinyl chloride and cis-1,2-DCE) detected in wells monitoring the Building 69A Area of Groundwater Contamination are shown on Figure 49. The only VOC in the Building 69A area that has exceeded the required (target risk-based) MCS has been vinyl chloride in SB69A-99-1. Since HRC injection was started, vinyl chloride concentrations have declined to levels below the target risk-based MCS; however, the concentration still exceeds the MCL. Concentrations of cis-1,2-DCE have generally been decreasing, and have declined to levels below MCLs since HRC injection was started.

Groundwater samples have been collected from two Building 69A area wells (MW69-97-8 and SB69A-99-1) and analyzed for hydrochemical parameters indicative of the potential for biodegradation. The relatively high concentrations of methane and ferrous iron and low concentrations of nitrate, sulfate, and dissolved oxygen measured in both wells indicate conditions favorable for biodegradation (Table 16).

## 4.3 STATUS OF GROUNDWATER UNITS REQUIRING ONLY MONITORING

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 47, which is an isoconcentration contour map for total halogenated hydrocarbons detected in groundwater in the Support Services Area. Concentrations of COCs in

these three areas are below target risk-based MCSs, the applicable MCSs for all three areas. The status of these units relative to achieving the long-term site wide goal of MCLs is discussed below.

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 (a cleaning solvent) 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 remained relatively constant over several years of monitoring (Figure 50). In addition, no VOCs have been detected in downgradient monitoring well MW76-98-22 since March 2001. Both TCE and cis-1,2-DCE remain in the groundwater at concentrations above MCLs

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 toward Building 75 and consists primarily of TCE and cis-1,2-DCE. 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 several years of monitoring (Figure 50). Concentrations of VOCs (1,1-DCE and 1,1-DCA) in MW75-98-14, which monitors the Building 75 area, have generally been below MCLs. Concentrations of TCE and cis-1,2-DCE in SB75-02-1, which monitors the Building 75A area, exceed MCLs.

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 50. Concentration trends for individual Building 77 area COCs (cis-1,2-DCE, 1,1- DCA, 1,1-DCE, and trans-1,2-DCE) are shown on Figure 51. 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. The maximum concentration of cis-1,2–DCE detected since February 2001 has been 6.4 $\mu$g/L, only slightly higher than the MCL (6.0 $\mu$g/L), with concentrations exceeding the MCL only 5 of the 15 times the well was sampled during that period.

## 4.4 GROUNDWATER TREATMENT SYSTEMS

Extracted groundwater and contaminated effluent from drain lines and hydraugers is treated to non-detectable levels of VOCs at GAC treatment systems. Most of the treated water is injected 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. Descriptions and schematic diagrams for the systems are provided in LBNL EH&S Procedure 230 Revision 0, December 1, 2007 (Groundwater Treatment System Monitoring and Maintenance).

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 Fourth Quarter FY07 (gallons) | Total Volume Treated to Date (gallons) | Discharge/Reuse |
|---|---|---|---|
| Building 6 Bioventing | 136,403 | 3,454,566 | Soil flushing |
| Building 7 Trench | 947,400 | 13,865,354 | Recirculated or sanitary sewer |
| Building 25 | 88,519 | 594,508 | Recirculated |
| Building 25A | 163,628 | 2,098,446 | Recirculated |
| Building 37* | 0 | 1,818,711 | |
| Building 46 | 615,548 | 20,342,154 | Recirculated or sanitary sewer |
| Building 51 Firetrail | 439,625 | 11,375,176 | Sanitary sewer or soil flushing |
| Building 51 Hydraugers** | 0 | 9,482,665 | |
| Building 51 MGR Basement | 33,152 | 4,495,684 | Sanitary sewer |
| Building 51L | 38,222 | 1,245,724 | Sanitary sewer |
| Building 53 | 198,569 | 4,900,220 | Recirculated |
| Building 64 | 113,606 | 2,333,484 | Recirculated |
| Building 71B | 19,468 | 334,783 | Recirculated |
| Total Volume Treated | 2,794,140 | 76,341,475 | |

* System was dismantled in June 2006.

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

# SECTION 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

No Quality Assurance/Quality Control (QA/QC) issues were identified that would result in a failure to meet data quality objectives.

Field Quality Control

Eleven field (equipment/rinse) blanks and fifteen trip blanks were collected and analyzed for VOCs during the reporting period (Table 19). No analytes were detected in the blanks.

Six duplicate groundwater samples were collected and analyzed for VOCs during the reporting period, one for TPH-K, one for tritium, one for PCBs, and one for molybdenum. The duplicate VOC samples were analyzed by BC Laboratories (BC) and the LBNL Environmental Measurement Laboratory (EML). The duplicate and primary tritium samples were analyzed by Eberline. The duplicate and primary TPH-K, PCB, and molybdenum samples were analyzed by BC. Neither PCBs nor TPH-K was detected in the primary or duplicate samples. Results of the other duplicate samples were consistent.

Laboratory Quality Control

All laboratories utilized by the LBNL ERP are certified by the California Department of Health Services (DHS) 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.

Soil and water samples collected during the current reporting period were analyzed by the LBNL EML, Eberline Services, BC, or Test America as indicated in the following table:

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

| | ANALYTICAL LABORATORY | |
|---|---|---|
| **Analytical Method** | **Groundwater** | **Soil** |
| VOCs (EPA 8260) | EML/BC | BC/Test America |
| Arsenic, mercury, molybdenum, and selenium (E245.2, E200.7, and E200.8); Title 22 metals (EPA 6000 & 7000 series) | BC | |
| TPH-FF, TPH-D, TPH-G, and TPH-K (EPA Mod. 8015) | BC | |
| TPH (8015B) | | Test America |
| Cadmium (E200.7) | | BC |
| BTEX (8260B) | | Test America |
| PCBs (EPA 8082) | BC | |
| Tritium (EPA 906) | Eberline | |
| Anions | BC | |
| Volatile Fatty Acids (VFA) (AM23G)<br>Light Hydrocarbon Gases (LHG) (Methane, Ethane, Ethene) (AM20GAX) | Microseeps | |

VOCs: Volatile organic compounds
TPH-G: Total petroleum hydrocarbons in the gasoline range
TPH-K: Total petroleum hydrocarbons in the kerosene range
TPH-D: Total petroleum hydrocarbons in the diesel range
TPH-FF Total petroleum hydrocarbons fuel fingerprint
PCBs: Polychlorinated biphenyls
BTEX: Benzene, toluene, ethylbenzene, and xylenes

Laboratory 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 | Deficiency |
|---|---|---|
| BC Laboratories | 5394 | Methylene chloride was detected in the Method Blank at a level between the Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). Methylene chloride was not detected in the corresponding samples. |
| | 5300 | Acetone was detected in the Method Blank at a level between the Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). Acetone was not detected in the corresponding samples. |

# SECTION 6

# ACTIVITIES FOR UPCOMING REPORTING PERIODS

## 6.1 FIRST QUARTER FY08

This section describes the activities that were completed during the first quarter of FY08, the upcoming reporting period. Results of these activities will be reported in the next Quarterly Progress Report, scheduled for submittal to DTSC in May 2008.

Groundwater Monitoring

The number of groundwater samples submitted for each type of analysis during the first quarter of FY08 is shown in the following table:

**Number of Groundwater Samples Collected During the First Quarter of FY 2008**

| | VOCs | PCBs | Tritium | Total |
|---|---|---|---|---|
| Monitoring Wells Primary Samples | 97 | | 1 | 98 |
| Temporary Sampling Points | 97 | 3 | | 100 |
| Extraction/Injection Wells | 71 | | | 71 |
| Slope Stability Wells | 0 | | | 0 |
| Duplicate Samples | 2 | | | 2 |
| Trip Blanks | 10 | | | 10 |
| Rinse Blanks | 11 | | | 11 |
| | 288 | 3 | 1 | 292 |

VOCs: Volatile Organic Compounds
PCBs: Polychlorinated Biphenyls

Corrective Measures for Groundwater

The corrective measures for groundwater described in Section 4 continued through the first quarter of FY08. The regular injection of HRC was temporarily halted on November 2, 2007. Injection at Building 71B was resumed on February 1, 2008.

Building 17 Former Scrapyard and Drum Storage Area (SWMU 2-3)

Approximately 240 cubic yards of PCB-contaminated soil were removed from the Building 17 area during ICMs conducted in 1998 and 1999. The objective of the ICMs was to

remove soil with concentrations of PCBs greater than the Toxic Substances Control Act (TSCA) self-implementing cleanup level of 1 mg/kg for PCBs in soil in high-occupancy areas. This level is considered safe for unrestricted land use (including residential use). Except for one confirmatory sample collected beneath the southwest end of Building 17, residual concentrations of PCBs were less than the 1 mg/kg ICM cleanup level.

In June 2007, during the previous reporting period, seven shallow soil samples were collected through the building foundation to determine the extent of excavation that would be required to achieve the TSCA level, and make the unit acceptable for unrestricted land use. No PCBs were detected. Based on these results, an approximately 4-foot long by 4-foot wide section of the concrete floor was removed from the area where the TSCA level had been exceeded and the underlying soil was excavated to a depth of 4 feet. On December 4, 2007, eight soil samples were collected from the walls and 4 from the floor of the excavation. The TSCA level was exceeded only in one floor sample collected from the western side of the excavation (the side closest to the building wall). To determine the extent of additional excavation that would be required to achieve the TSCA level, six additional soil samples were collected from the depths of 5 and 6 feet on January 4, 2008 during the second quarter of FY08.

Reports

The following reports were submitted to the regulatory agencies:

- On October 4, 2007 LBNL submitted the semi-annual *Self-Monitoring Report* for treated water discharged to the sanitary sewer to EBMUD.
- On October 12, 2007, LBNL submitted the Environmental Investigation Report for the Former Building 10 Site to the DTSC.
- On October 26, 2007, LBNL submitted the Former Building 29 Area Petroleum Release Report to the City of Berkeley.
- On November 26, 2007, LBNL submitted the Quarterly Progress Report for the Third Quarter of FY07 to the DTSC.
- On November 26, 2007, LBNL submitted a permit application to the City of Berkeley to destroy six temporary groundwater sampling points (SB10-07-1 through SB10-07-6) at the former Building 10 site.

## 6.2 SECOND QUARTER FY08

In addition to the ongoing activities described in the previous sections of this report, the following is a list of activities planned for the second quarter of FY08 (January 1, 2008 to March 31, 2008):

- Submit the Quarterly Progress Report for the fourth quarter of FY07 to the DTSC.
- Continue to hold Remedial Project Manager (RPM) meetings with the regulatory agencies as needed.
- Conduct quarterly groundwater sampling and continue depth-to-water measurements.
- With the approval of DTSC, properly destroy the six temporary groundwater sampling points installed at the former Building 10 site.

# SECTION 7

# REFERENCES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Water Board, 1999, Proposal for Revised Groundwater Monitoring Schedule dated June 1999, Letter from Michael Rochette (Water Board) to Iraj Javandel (Berkeley Lab), July 27, 1999.

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Figure 50. Concentration Trends for Total VOCs, Building 76, Building 75/75A, and Building 77 Areas of Groundwater Contamination.

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| | | | |
|---|---|---|---|
| MW25-95-5 | Groundwater monitoring well | ND (or <) | Not detected |
| MW90-6 | Properly destroyed monitoring well | 51-01-10 | Hydrauger |
| T SB76-97-3 | Temporary groundwater sampling point | | Sanitary sewer line |
| T SB64-98-16 | Properly destroyed sampling point | | Storm drain line |
| EW | Groundwater extraction well | | Surface creek |
| IW | Groundwater injection well | | LBNL site boundary |
| DP | Dual phase extraction well | | Fence |
| SSW-31.63 | Slope stability well | 17 | Surface structure (e.g. buildings, etc.) |
| SI-3.63 | Slope indicator well | 51B | Former building location |
| 71-95-10 | Vadose zone monitoring well | | Groundwater collection trench |
| | Shallow soil sampling location | GAC GAC | Granular activated carbon (GAC) treatment system |
| | Soil boring | | |
| PZ51-92-3 | Piezometer | | |
| | Spring | | |

700 — Topographic contour line (elevation in ft above mean sea level)

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.

Symbols.ai
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**Key to Symbols Used on Figures.**

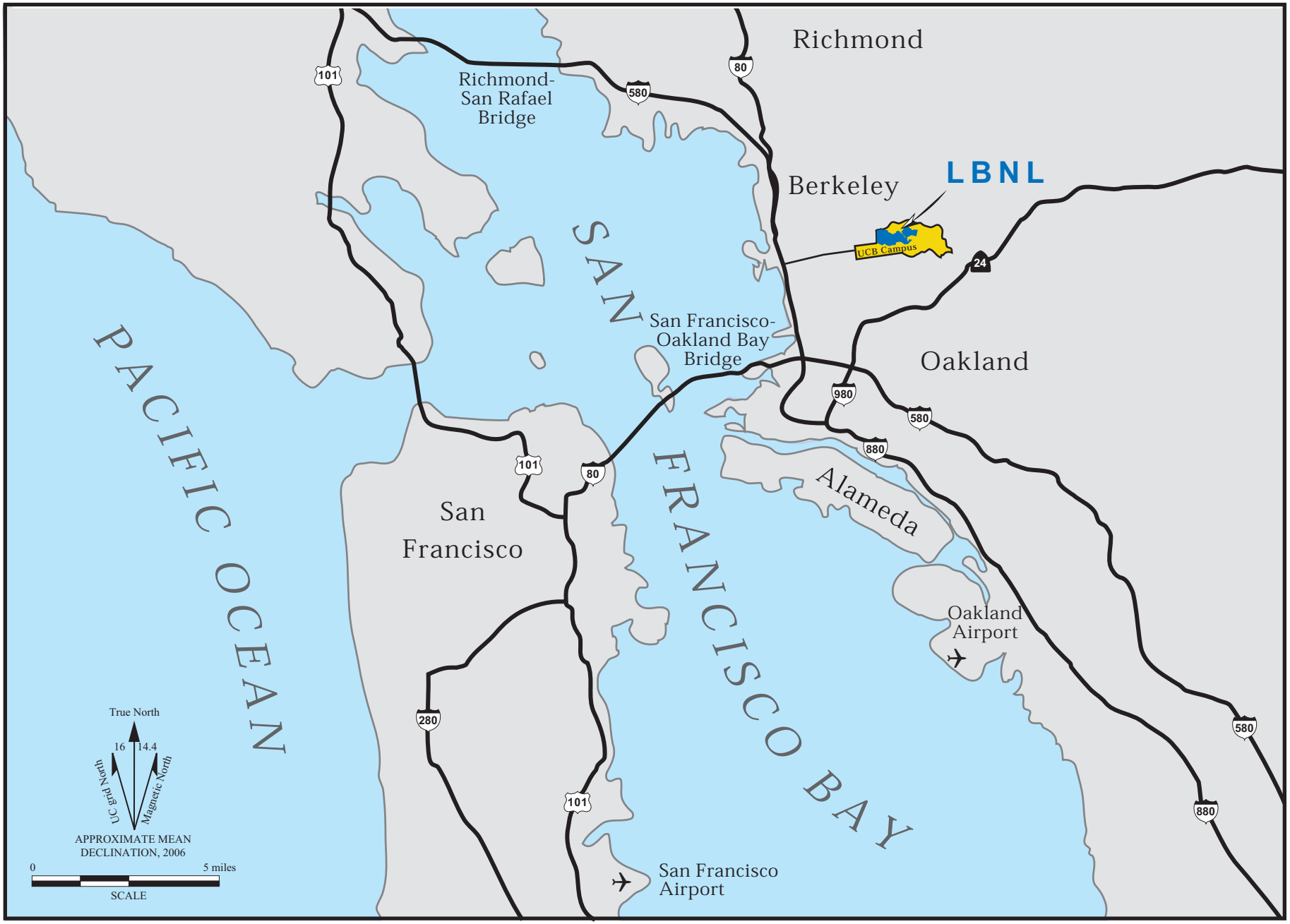


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**Figure 1. Regional Setting of the Lawrence Berkeley National Laboratory (LBNL).**

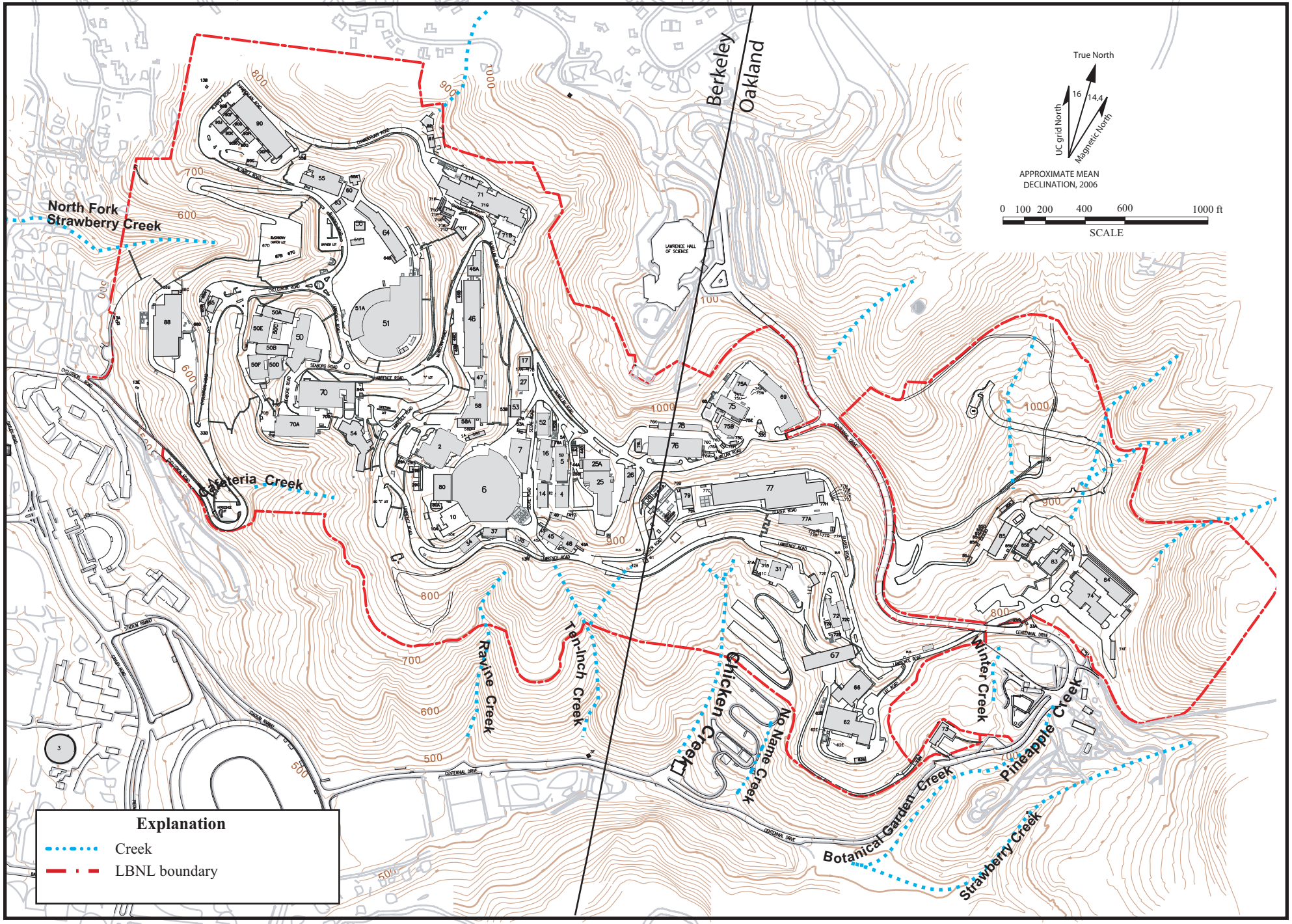


**Figure 2. Site Map and Topography, Lawrence Berkeley National Laboratory.**

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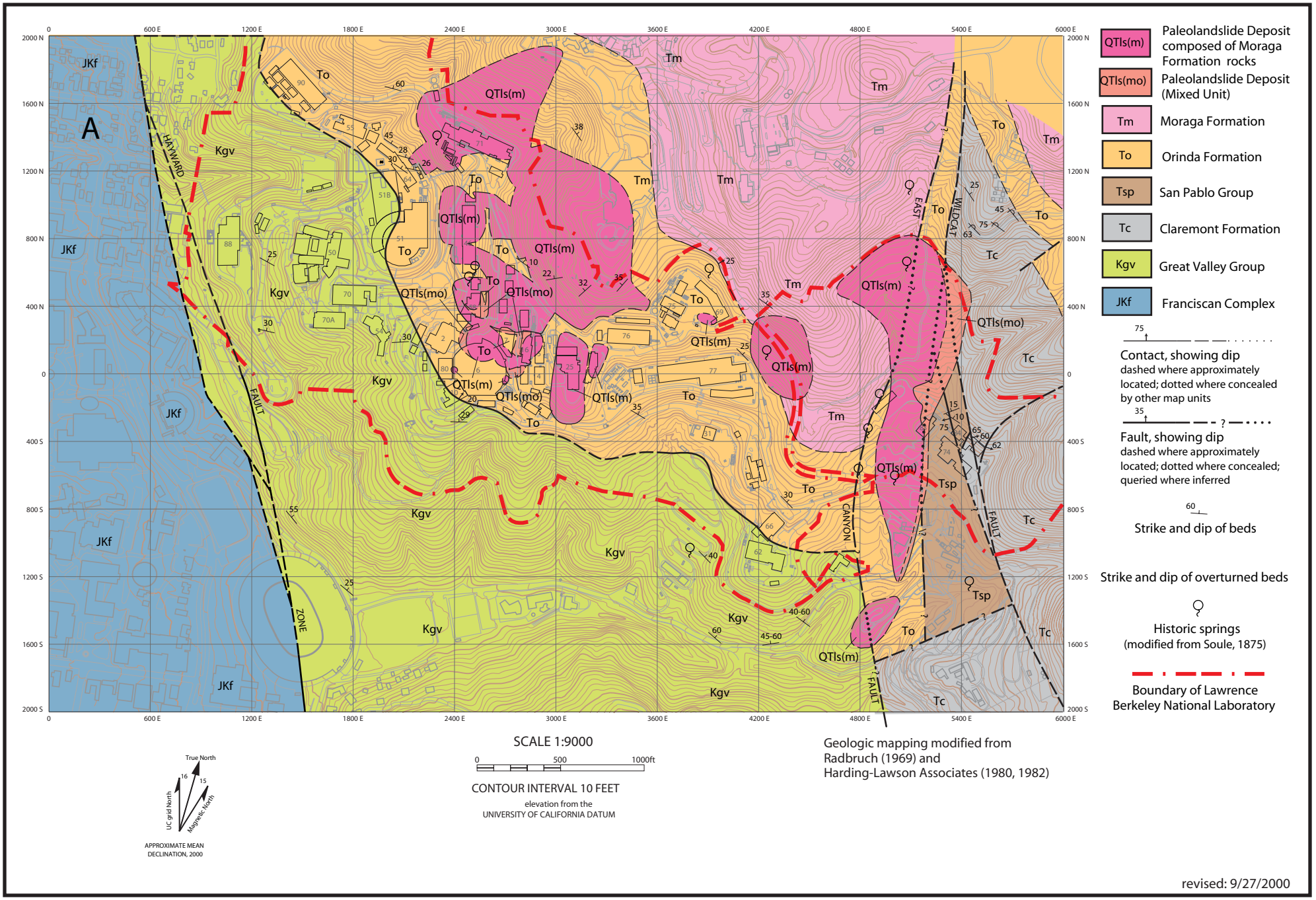


**Figure 3a. Bedrock Geologic Map, Lawrence Berkeley National Laboratory.**

3A site br map.ai
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| 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.**

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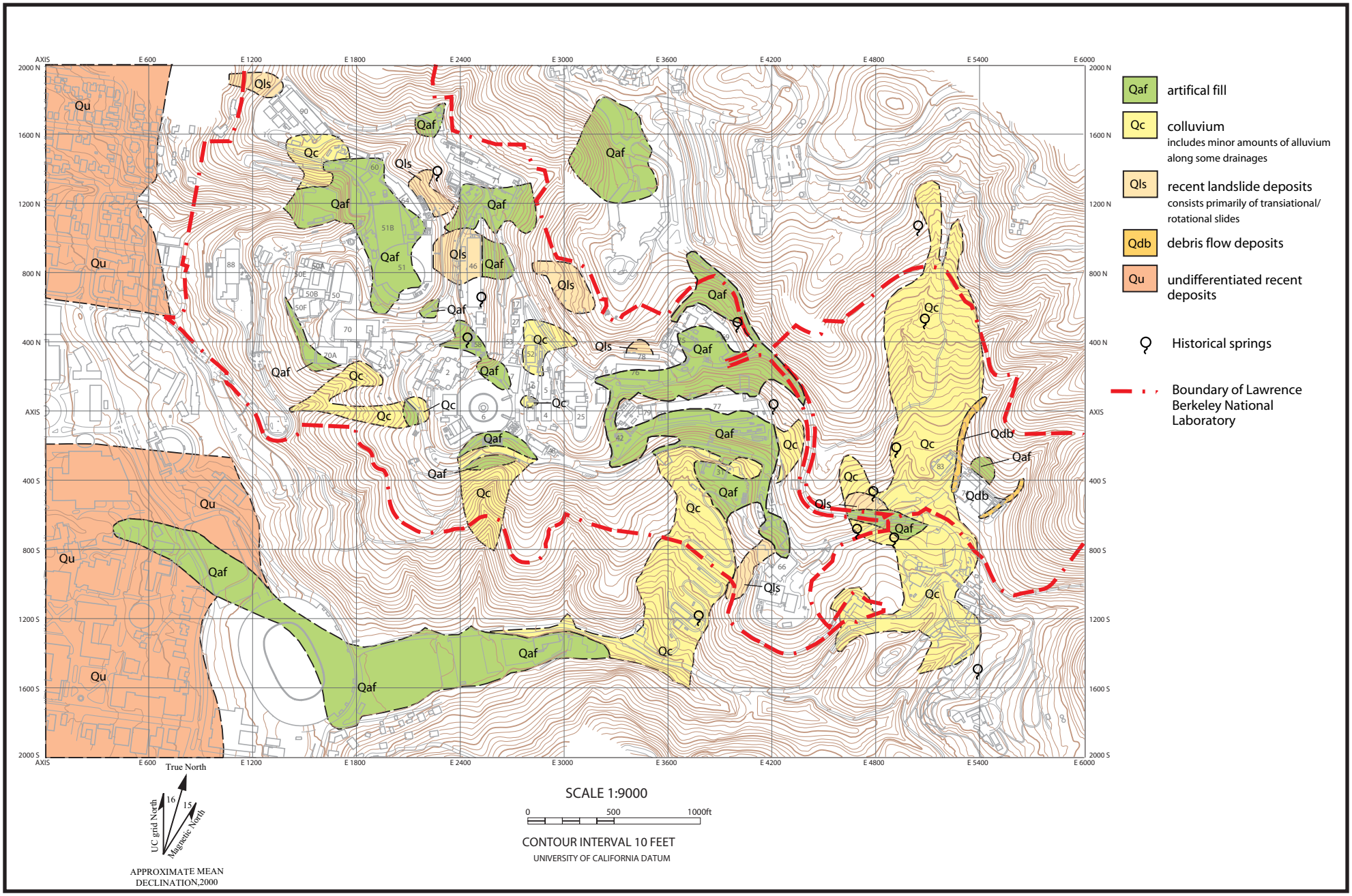


**Figure 3c. Surficial Geologic Map, Lawrence Berkeley National Laboratory (modified from Harding-Lawson Associates, 1982).**

3c site surf map.ai
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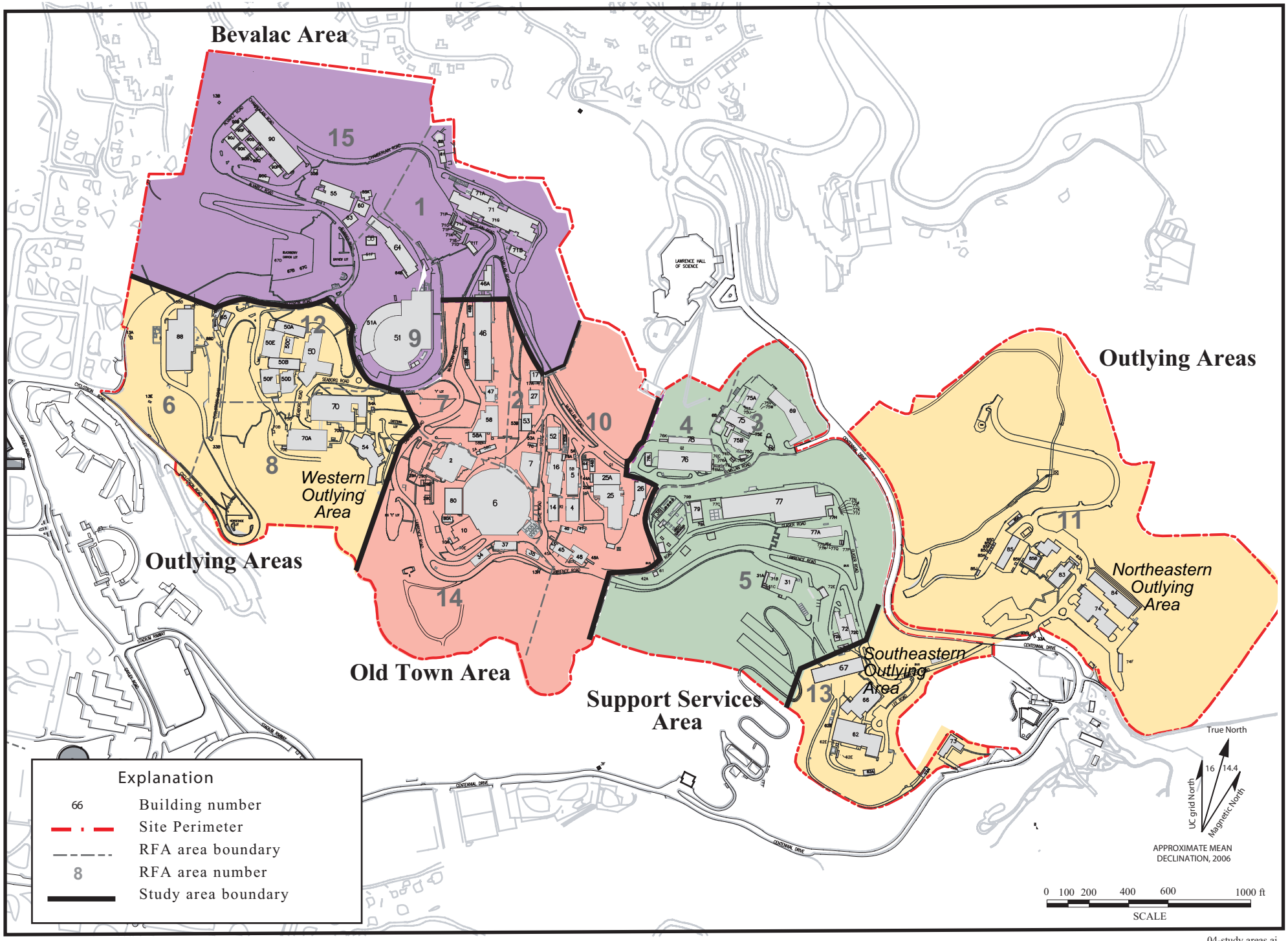


**Figure 4. Locations of Study Areas, Lawrence Berkeley National Laboratory.**

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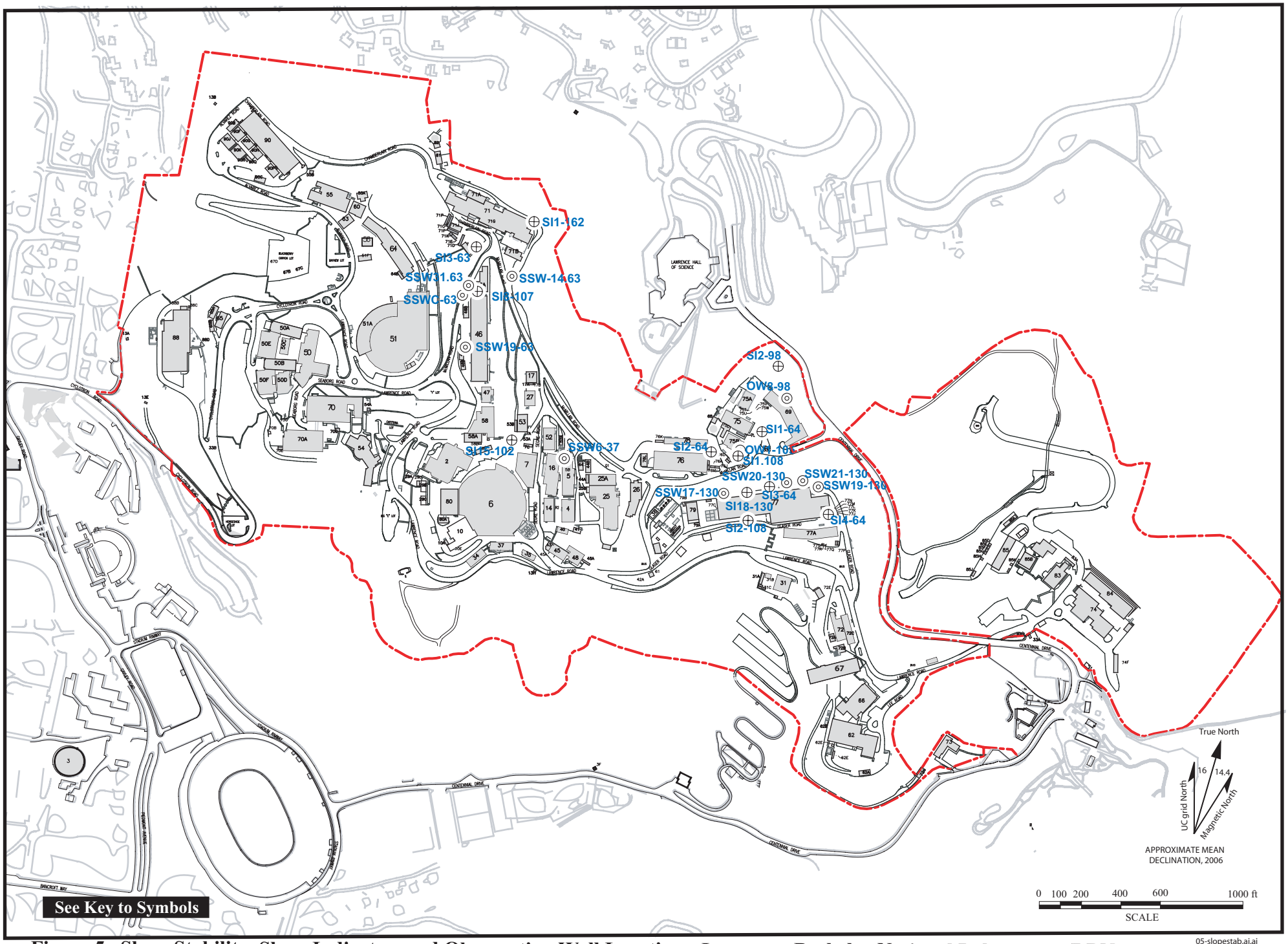


**Figure 5. Slope Stability, Slope Indicator, and Observation Well Locations, Lawrence Berkeley National Laboratory (LBNL).**

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12/07

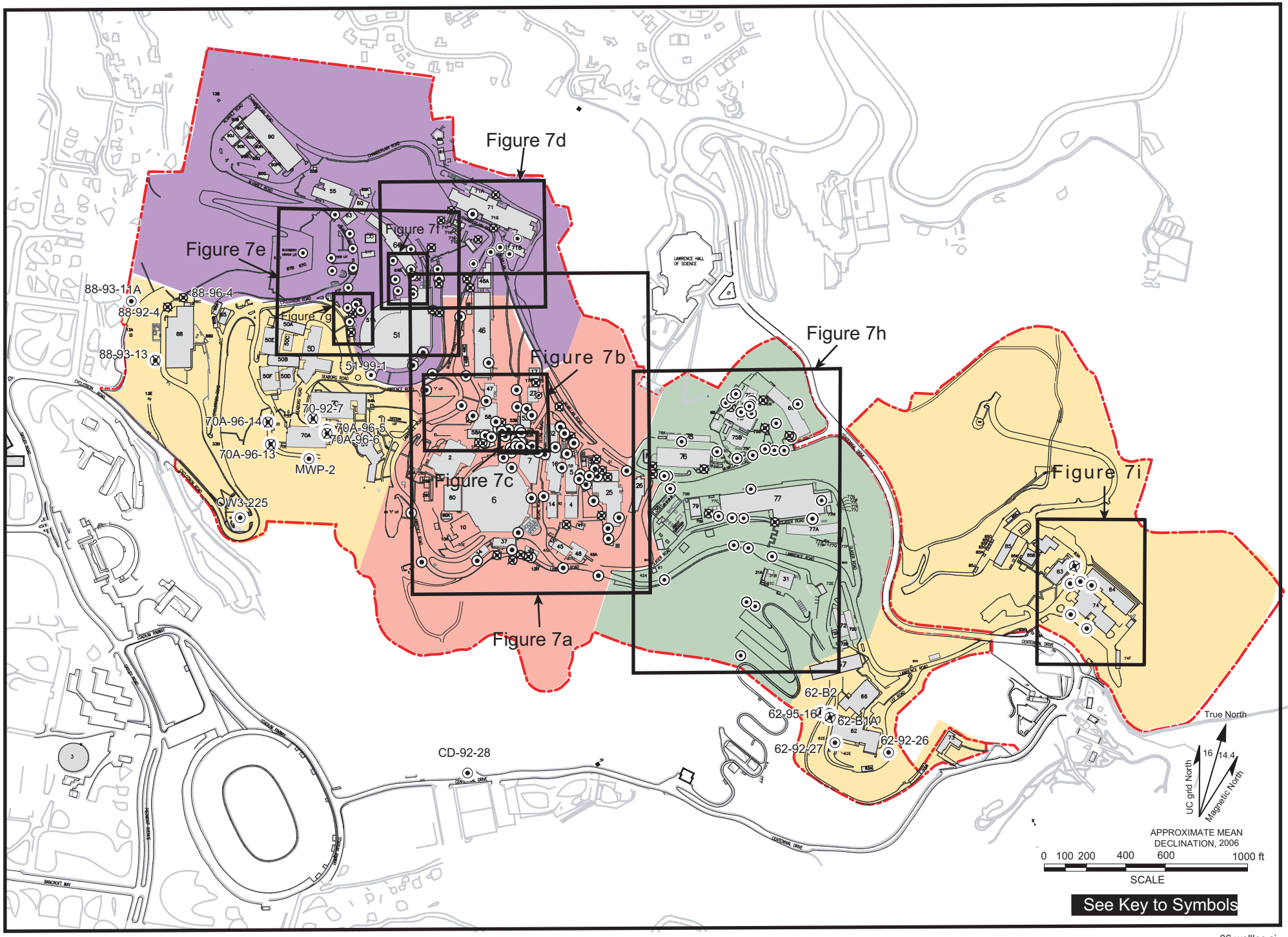


**Figure 6. Monitoring Well Locations at Lawrence Berkeley National Laboratory.**

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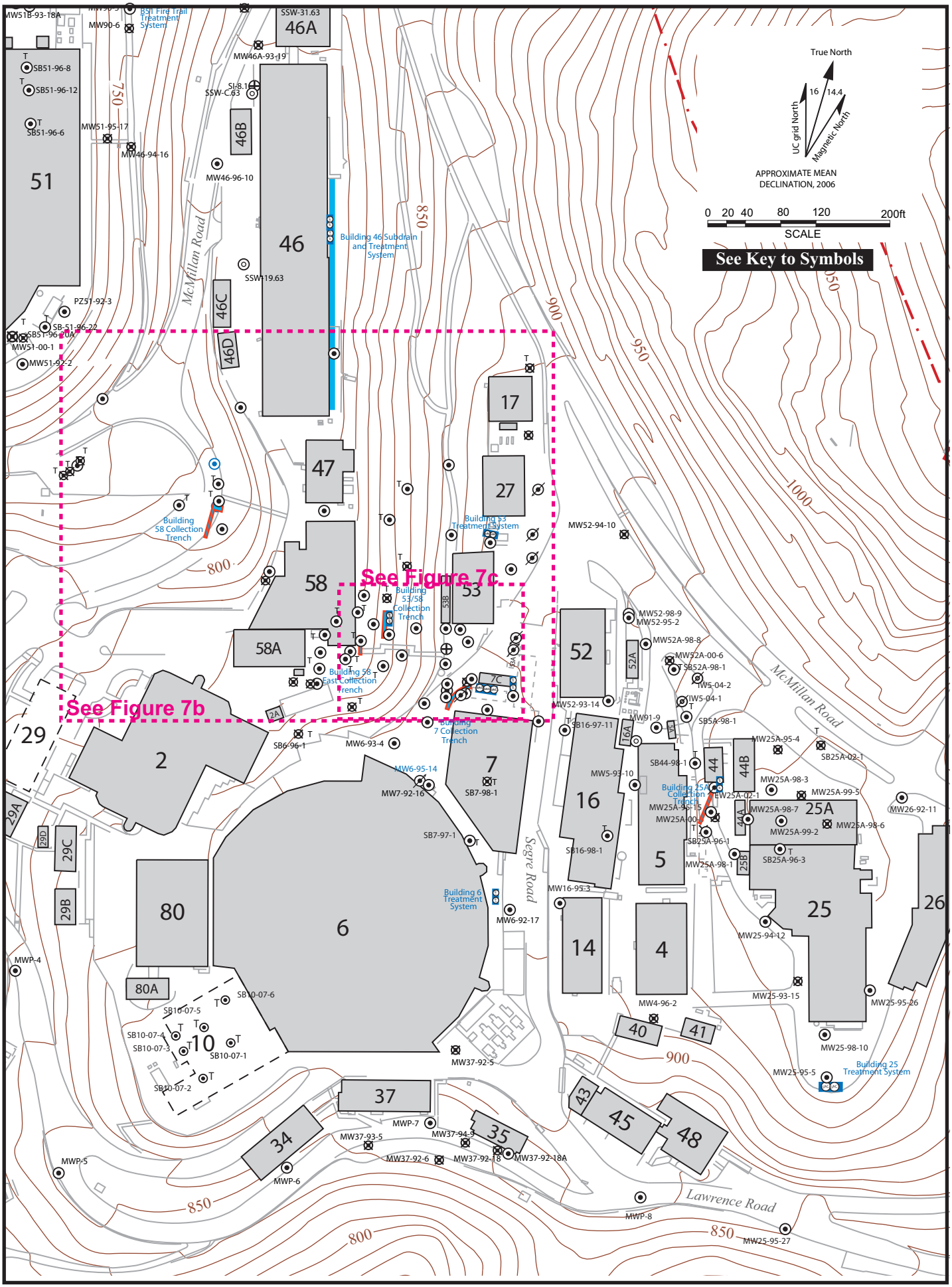


Figure 7a. Well Location Map of Old Town Area, Lawrence Berkeley National Laboratory

7a-wellocOT.ai
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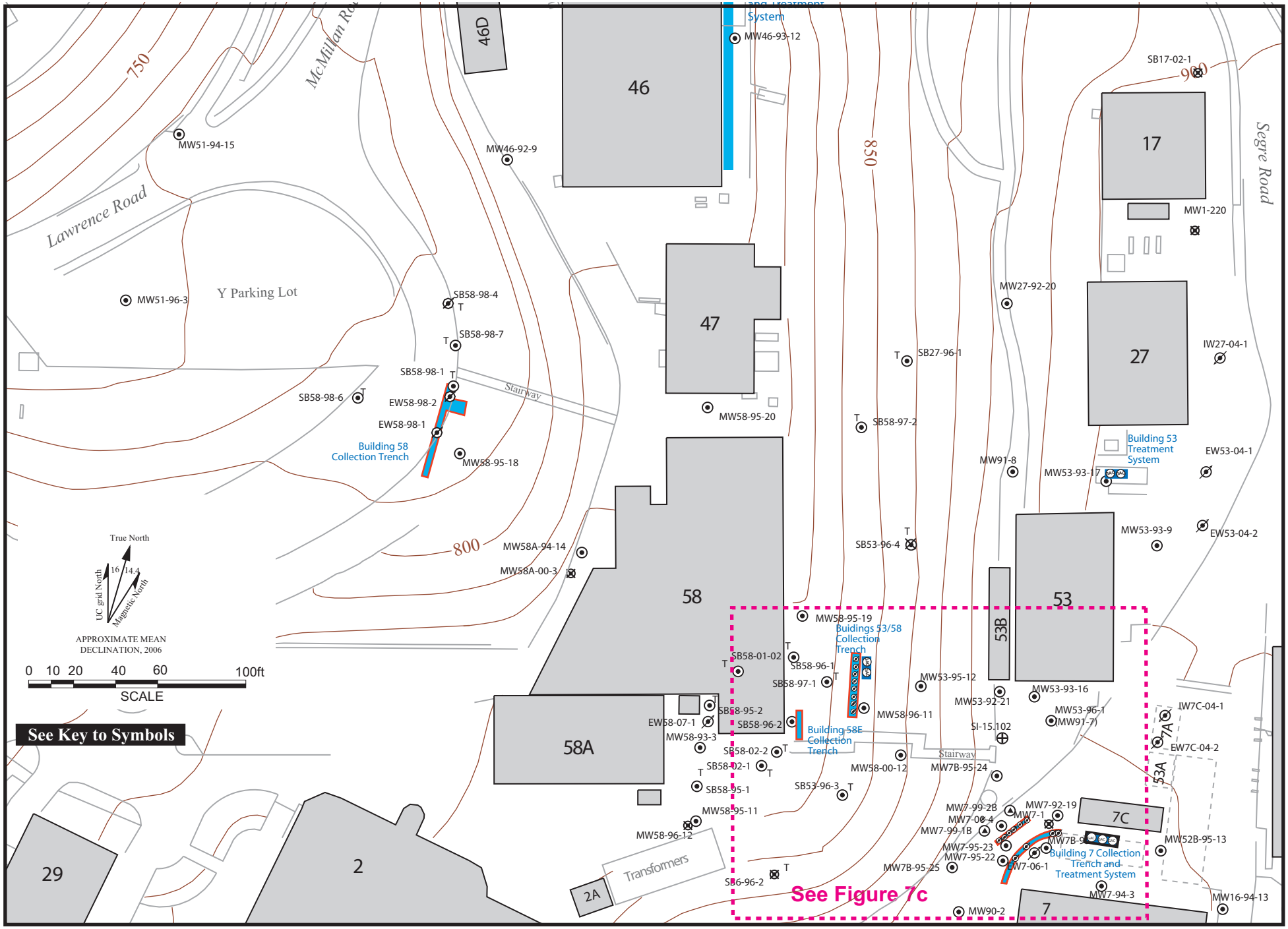
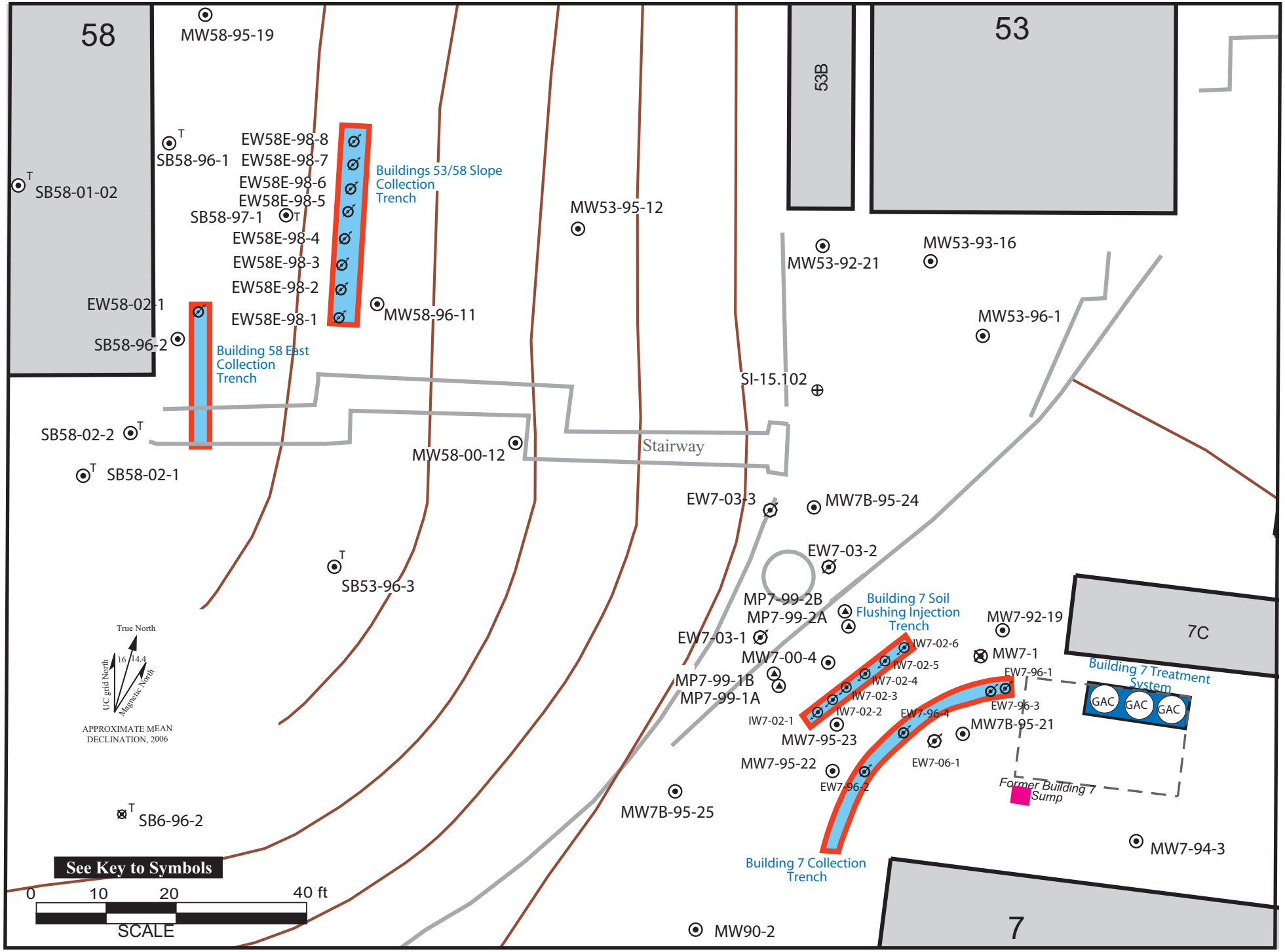



**Figure 7b. Well Location Map of the Central Old Town Area, Lawrence Berkeley National Laboratory.**

7b-OTDetail.ai
1/08

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12/07

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

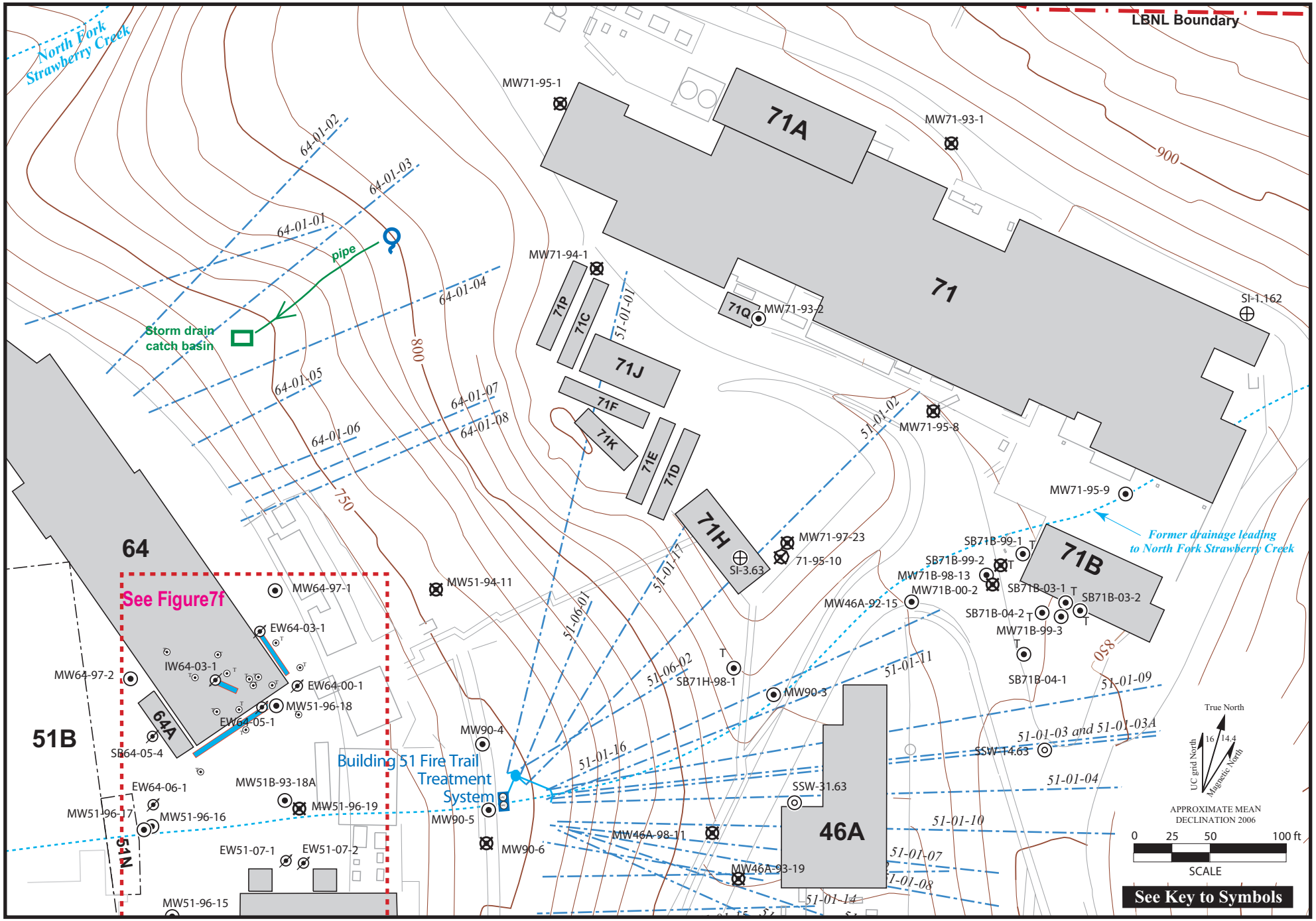



**Figure 7d. Well Location Map of the Building 71 Area, Lawrence Berkeley National Laboratory.**

7d_B71base.ai
12/07

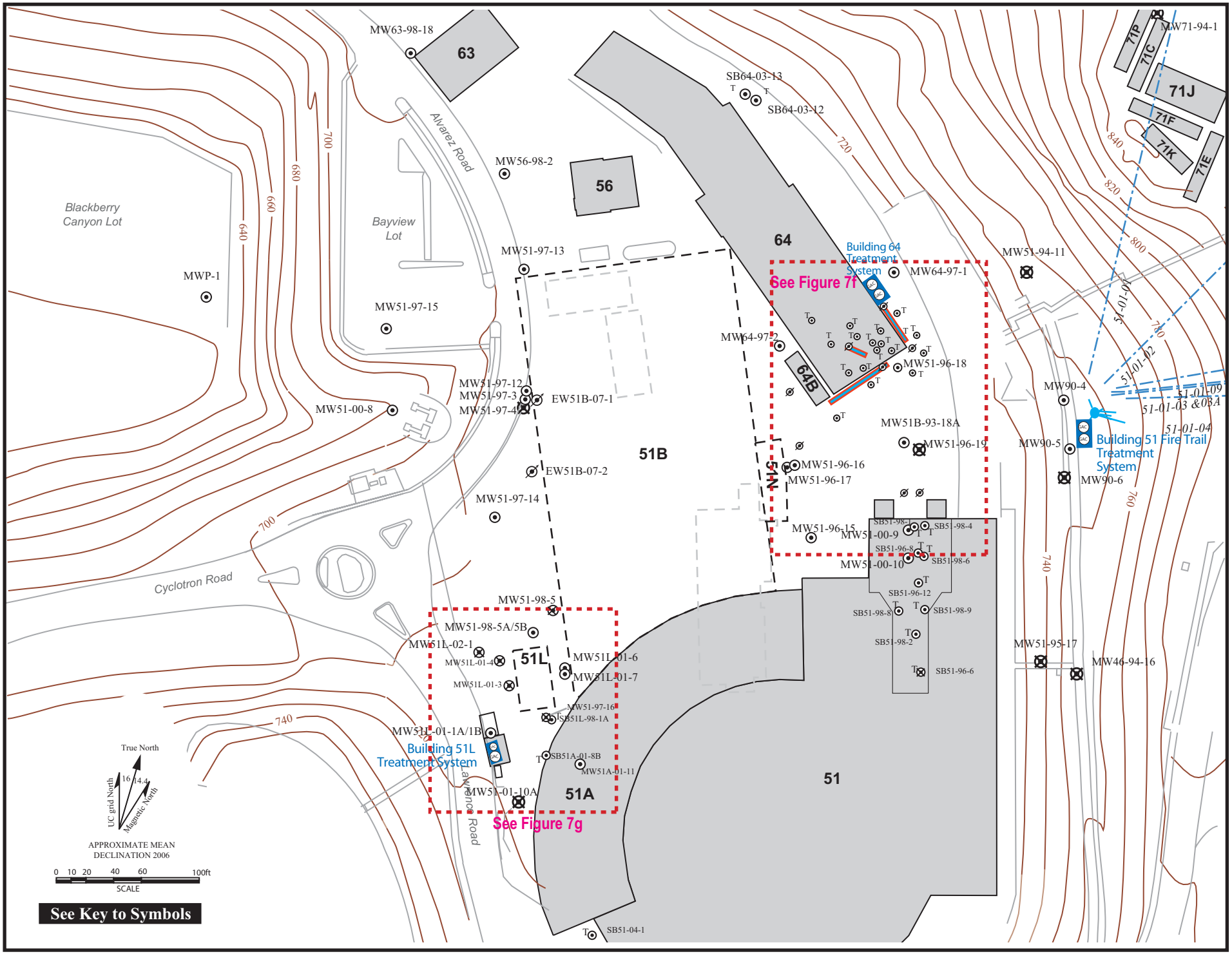



**Figure 7e. Well Location Map of the Building 51 and Building 64 Areas, Lawrence Berkeley National Laboratory.**

7e-B51baser1.ai
12/07

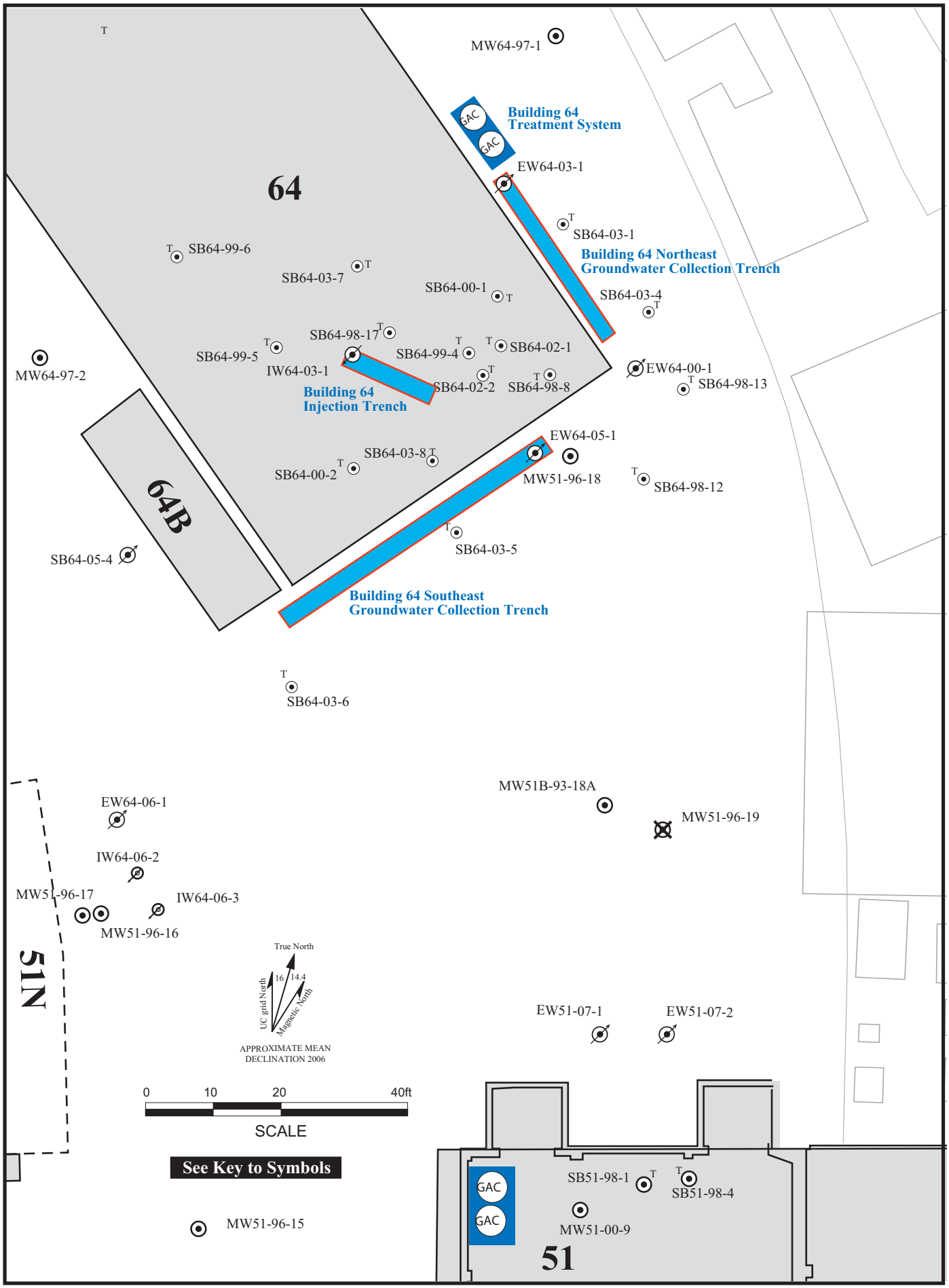
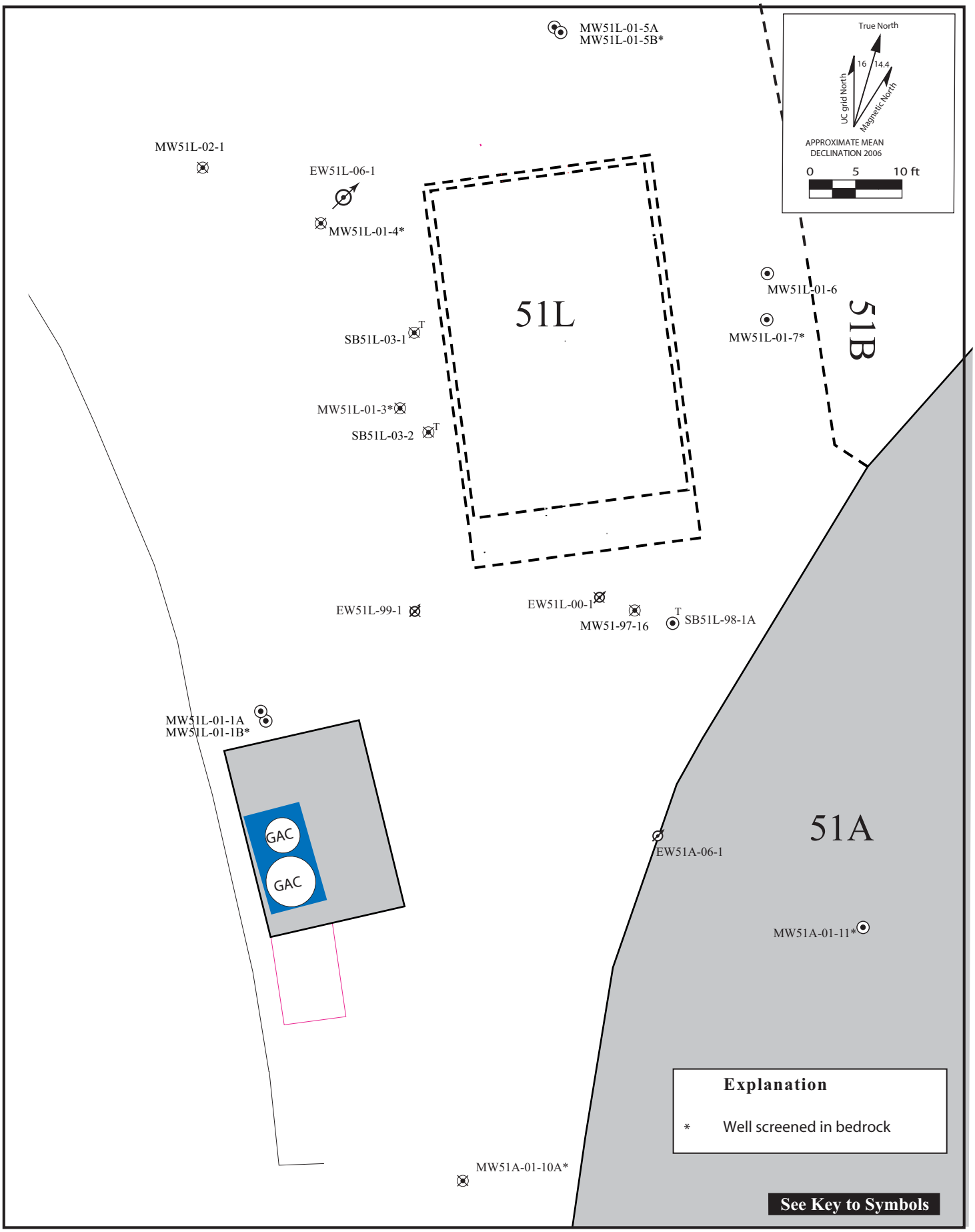



**Figure 7f. Well Location Map of the Building 51/64 Plume Source Area, Lawrence Berkeley National Laboratory.**

7f-detailB51base
12/07




7g-B51L.ai
12/07

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

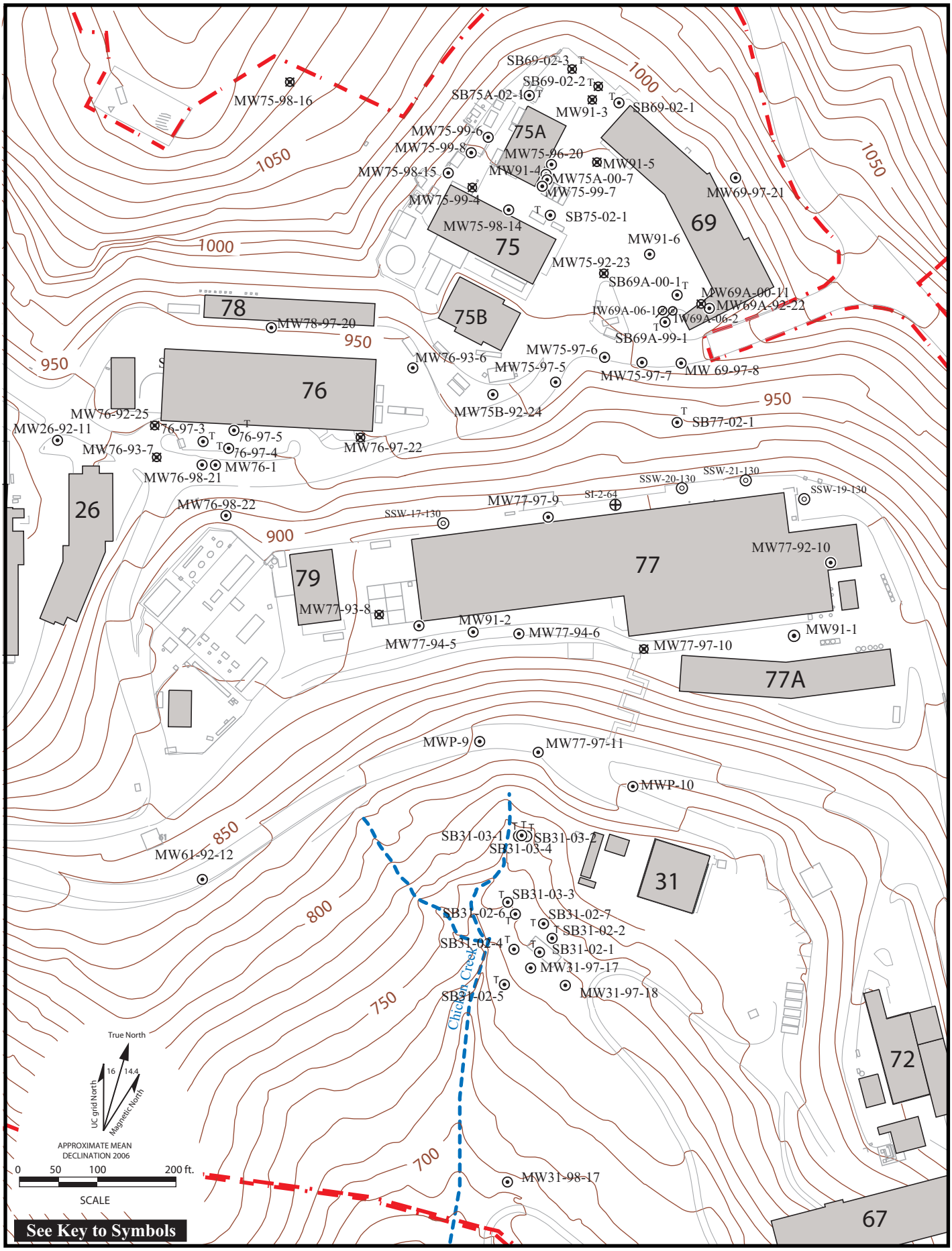
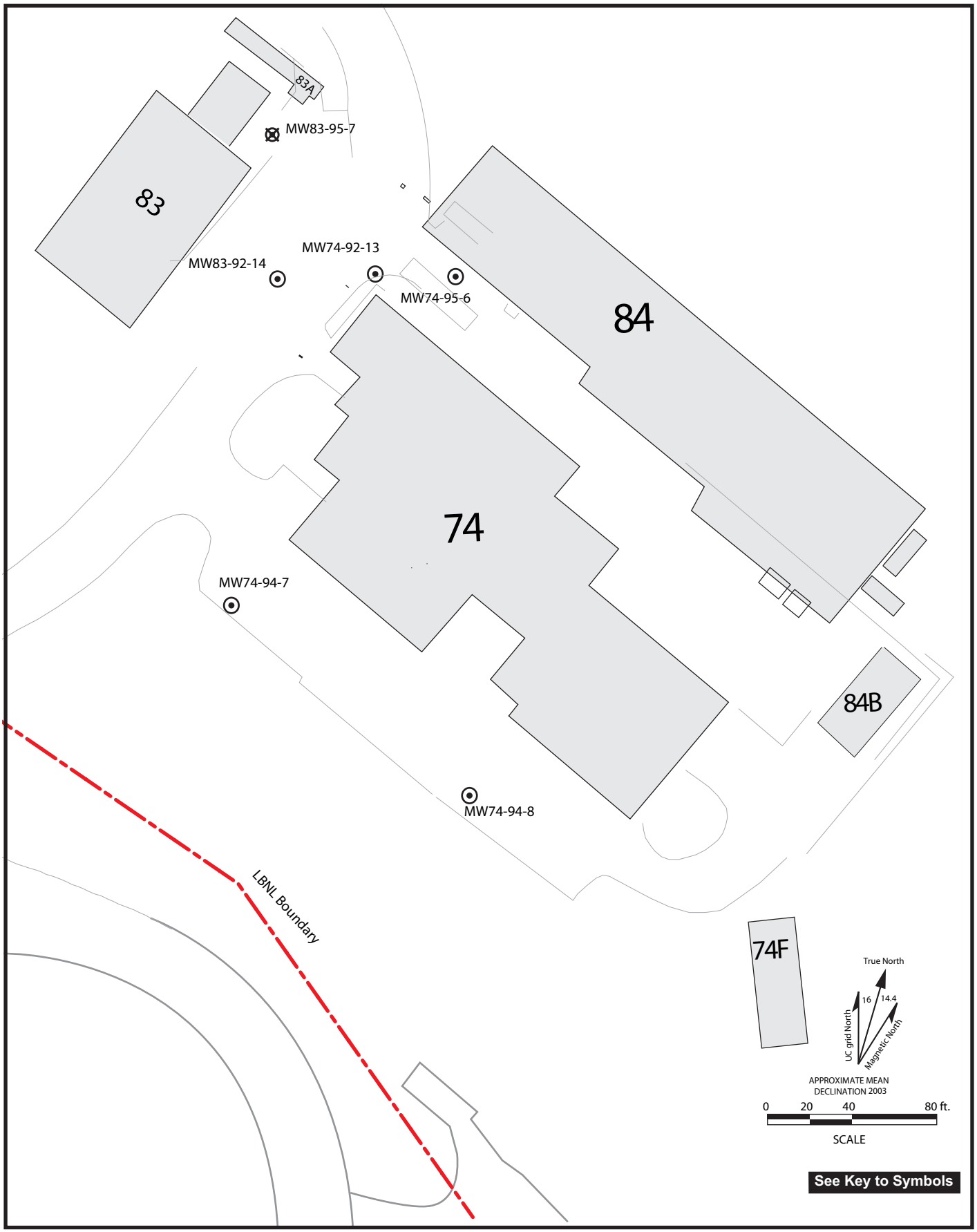


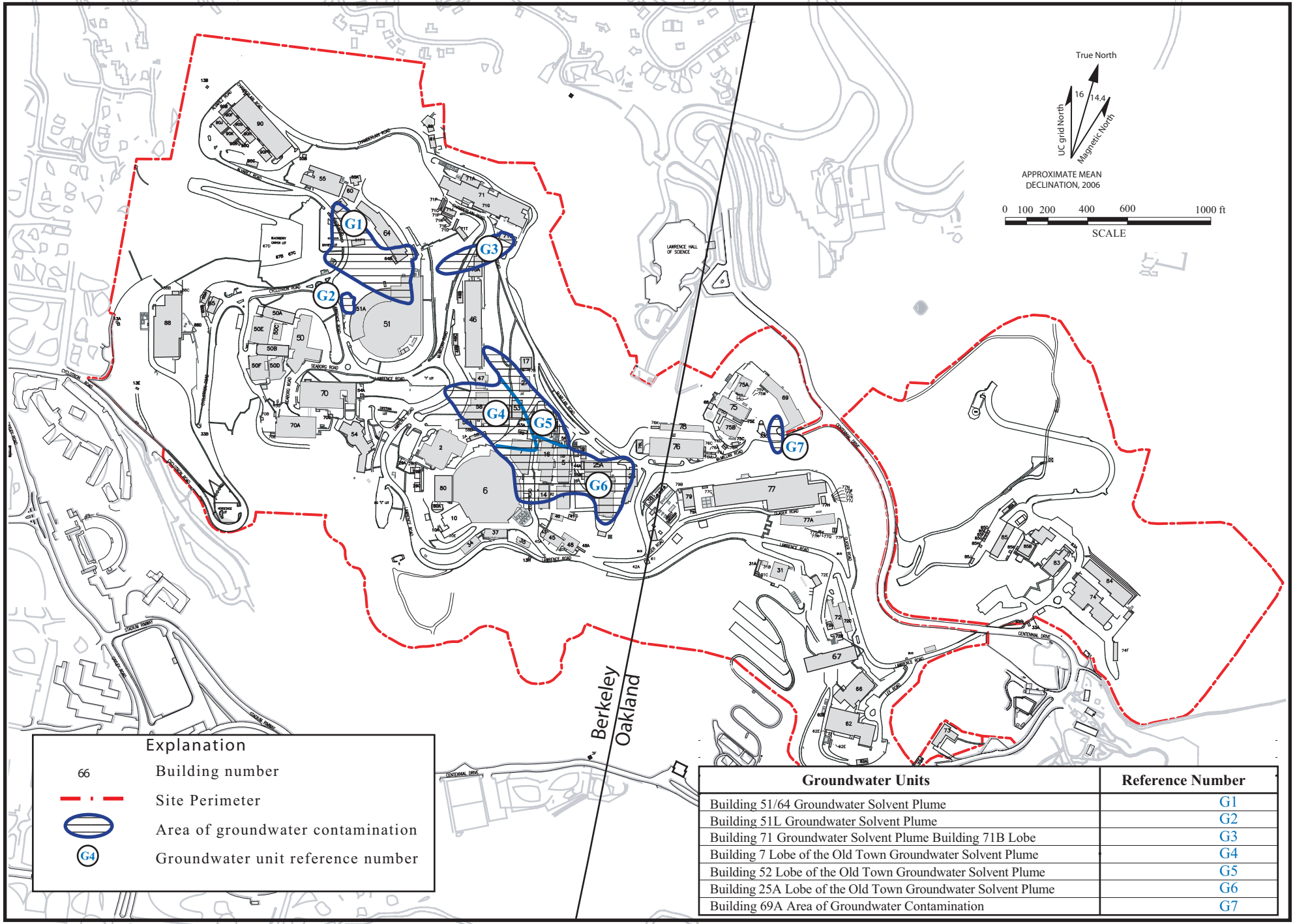

**Figure 7h. Well Location Map of the Corporation Yard Area, Lawrence Berkeley National Laboratory.**

7h-Corpyrdloc.ai
12P/07




7i-b74 well locations.ai
12/07

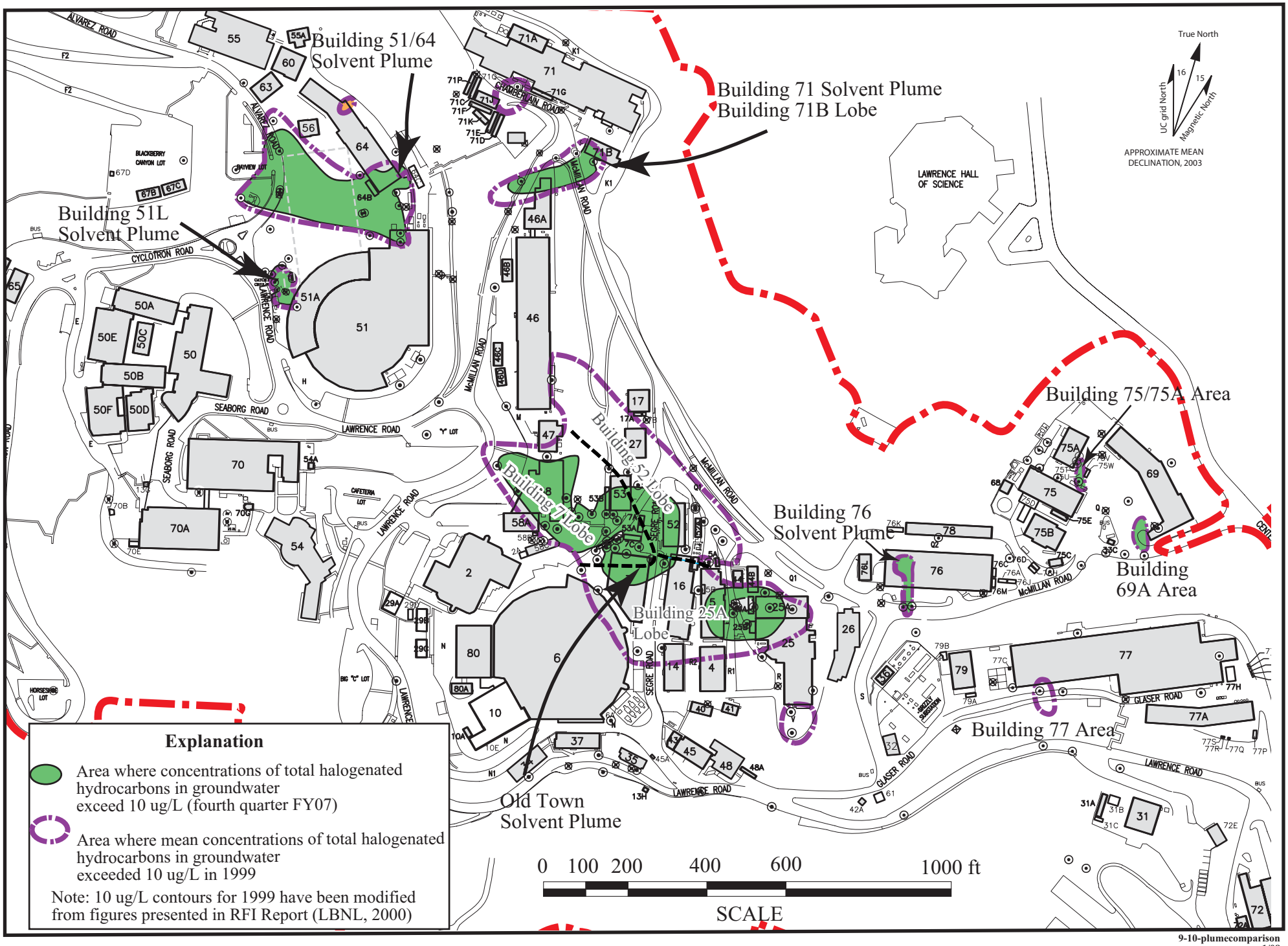
**Figure 7i. Well Location Map of the Building 74 Area, Lawrence Berkeley National Laboratory**




| Groundwater Units | Reference Number |
|---|---|
| Building 51/64 Groundwater Solvent Plume | G1 |
| Building 51L Groundwater Solvent Plume | G2 |
| Building 71 Groundwater Solvent Plume Building 71B Lobe | G3 |
| Building 7 Lobe of the Old Town Groundwater Solvent Plume | G4 |
| Building 52 Lobe of the Old Town Groundwater Solvent Plume | G5 |
| Building 25A Lobe of the Old Town Groundwater Solvent Plume | G6 |
| Building 69A Area of Groundwater Contamination | G7 |

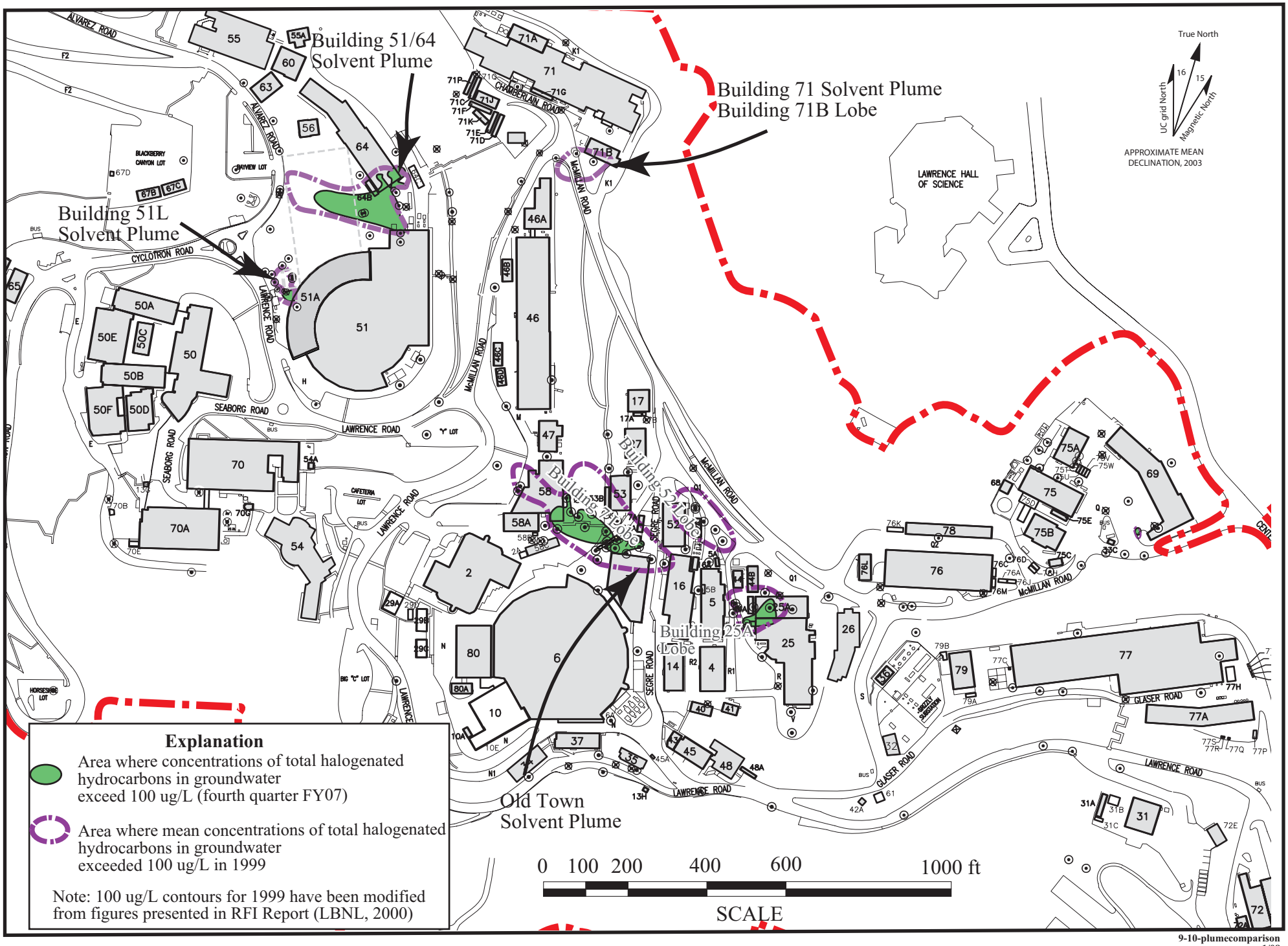
**Figure 8. Locations of Groundwater Units Requiring Corrective Measures.**

08-units.ai
1/207




9-10-plumecomparison
1/08

**Figure 9. Extent of Groundwater Contamination (Total VOCs > 10 ug/L) Fourth Quarter FY07 Compared to 1999.**




9-10-plumecomparison
1/08

**Figure 10. Extent of Groundwater Contamination (Total VOCs > 100 ug/L) Fourth Quarter FY07 Compared to 1999.**

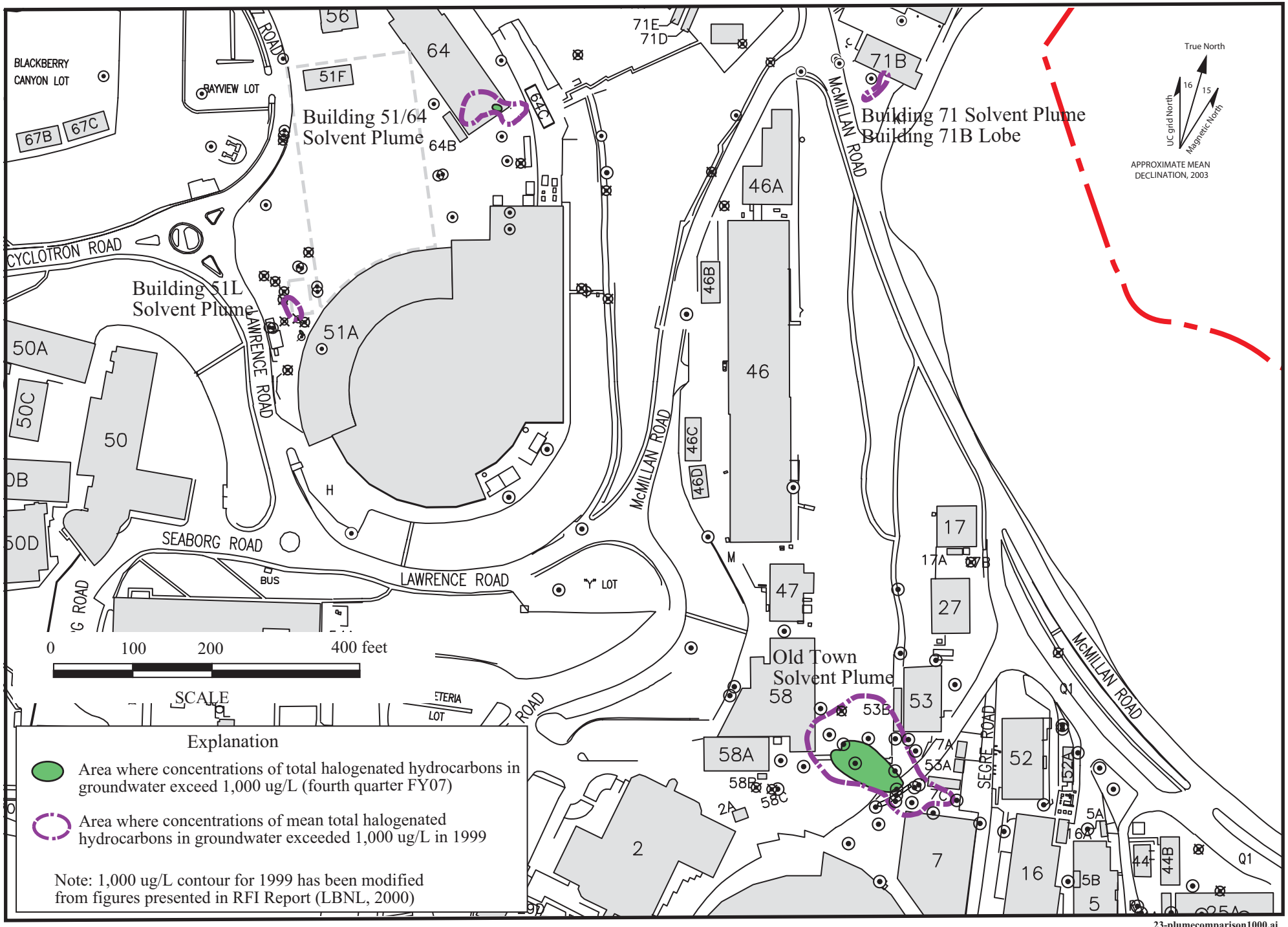



**Figure 11. Extent of Groundwater Contamination (Total VOCs > 1,000 ug/L) Fourth Quarter FY07 Compared to 1999.**

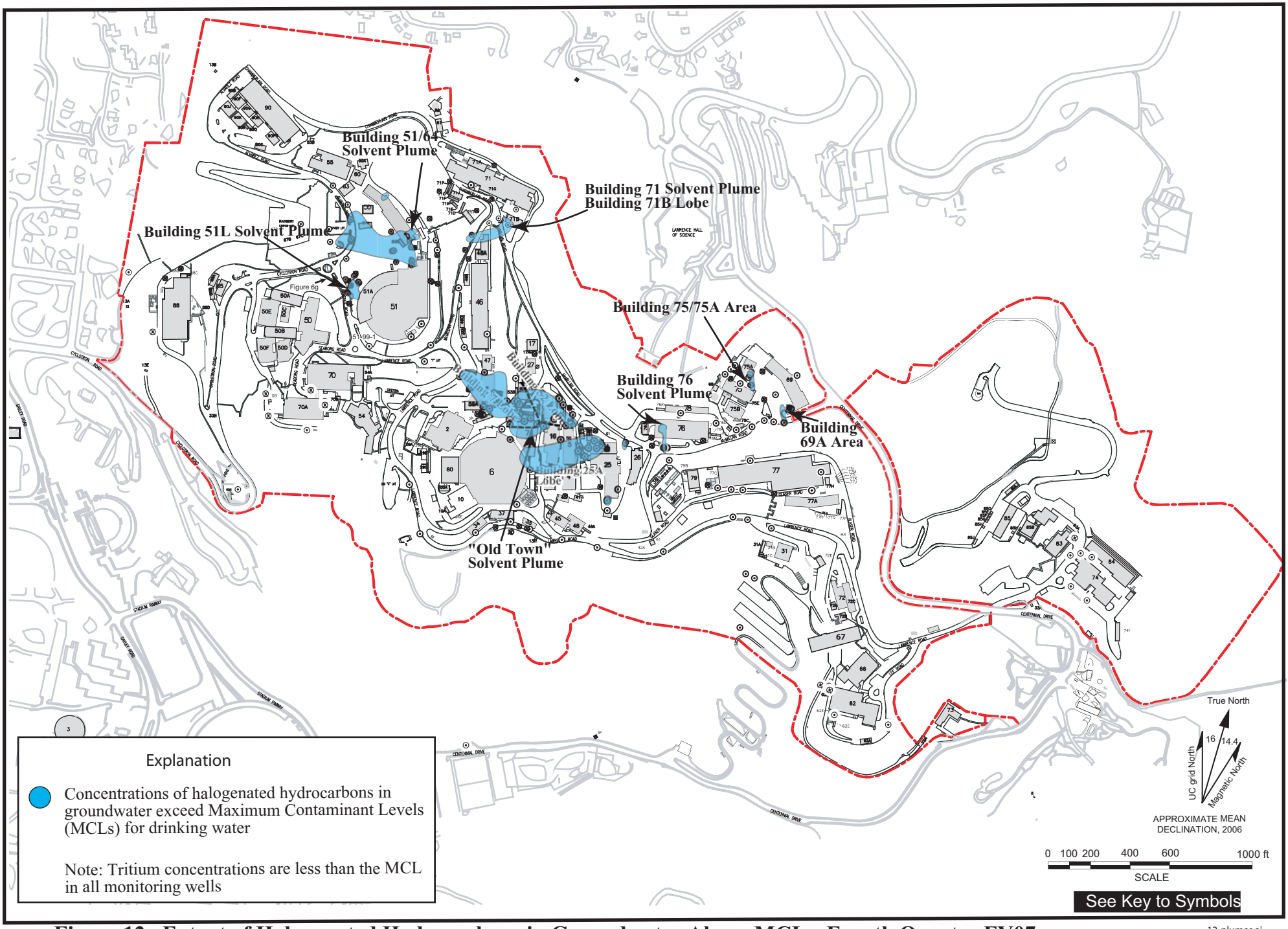



**Figure 12. Extent of Halogenated Hydrocarbons in Groundwater Above MCLs, Fourth Quarter FY07.**

12-plumes.ai
1/08

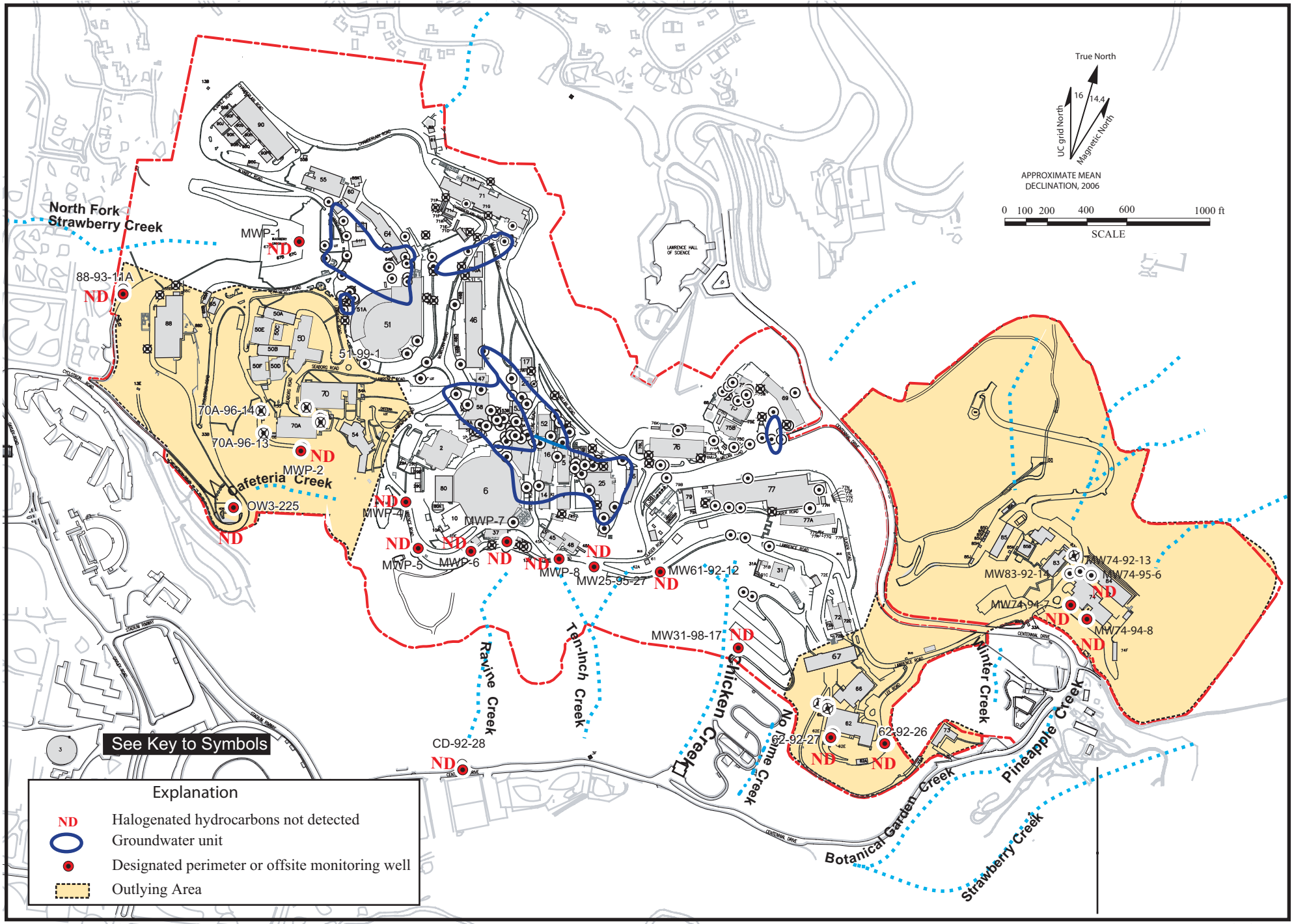



**Figure 13. Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Outlying Areas and Perimeter Monitoring Wells, Fourth Quarter FY07.**

18-407-Outlying.ai 1/20/07

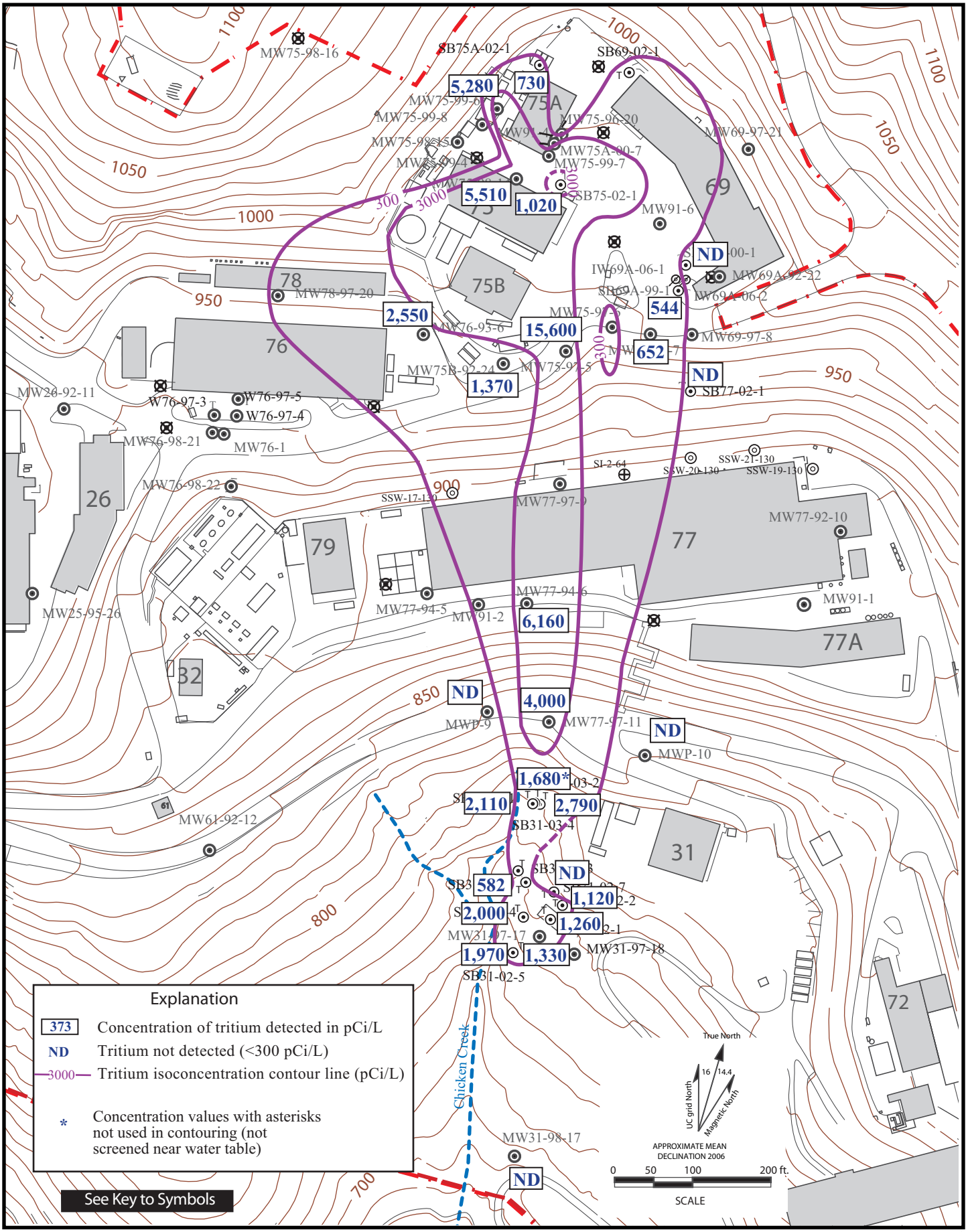



**Figure 14. Tritium Concentrations in Groundwater (pCi/L) in Corporation Yard Area, Fourth Quarter FY07.**

14-47-48q4-07SS.ai
12/07

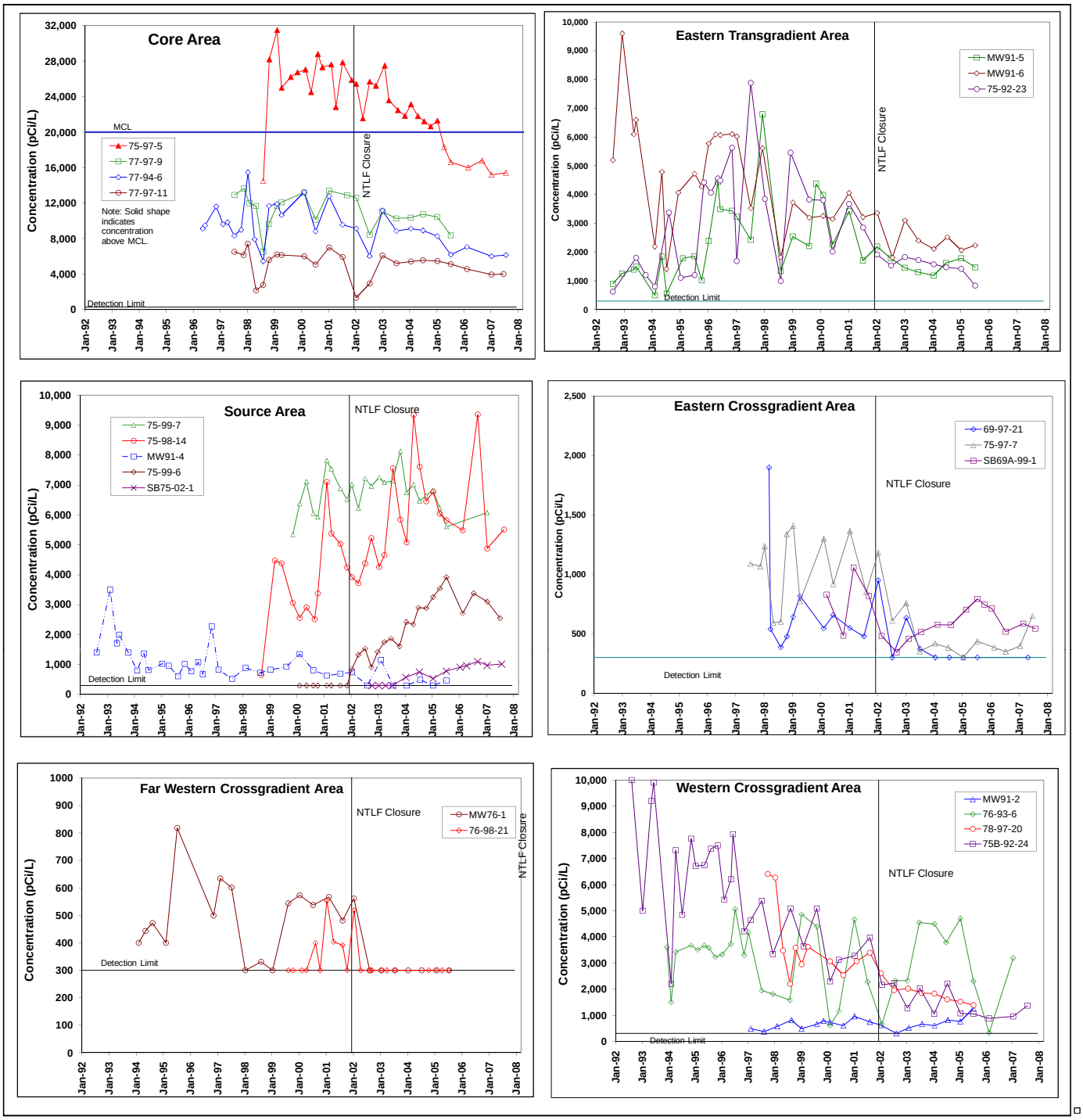



**Figure 15a. Concentration Trends for Tritium in the Source, Core, and Crossgradient Areas, Building 75 Tritium Plume.**

15a-16-Q4-07Tritium wells3/3/2008

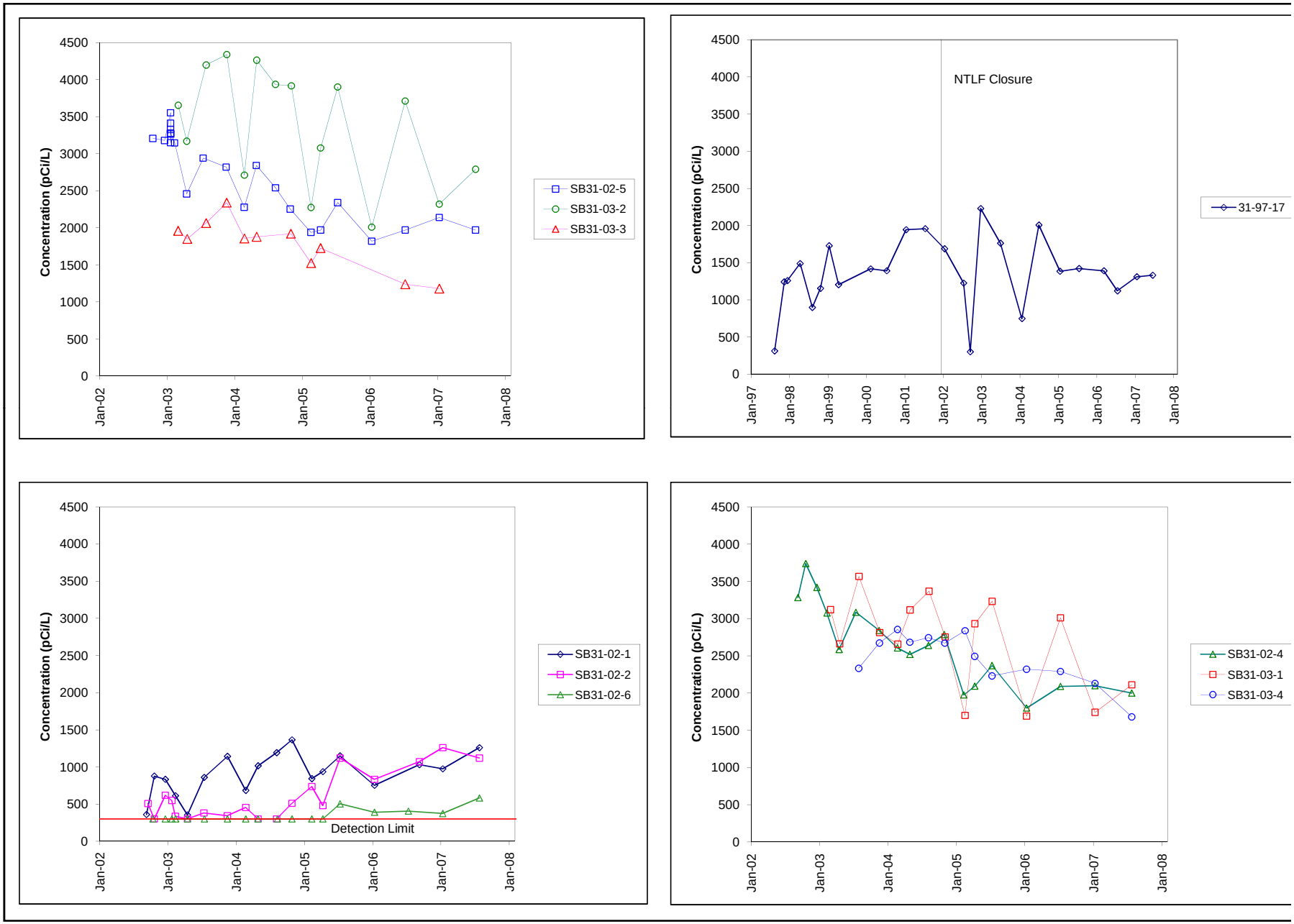



**Figure 15b. Concentration Trends for Tritium in Downgradient Plume Area, Building 75 Tritium Plume.**

15b-tritium -sb31s3/3/2008

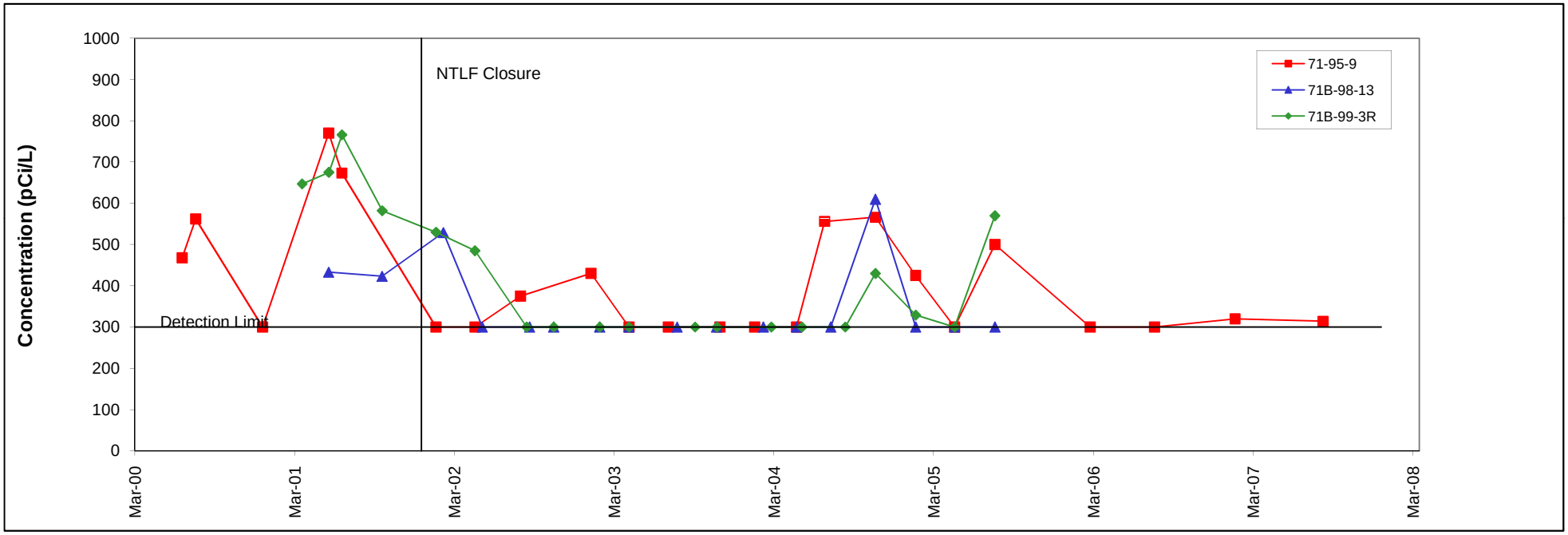



**Figure 16. Concentration Trends for Tritium in the Building 71 Area.**

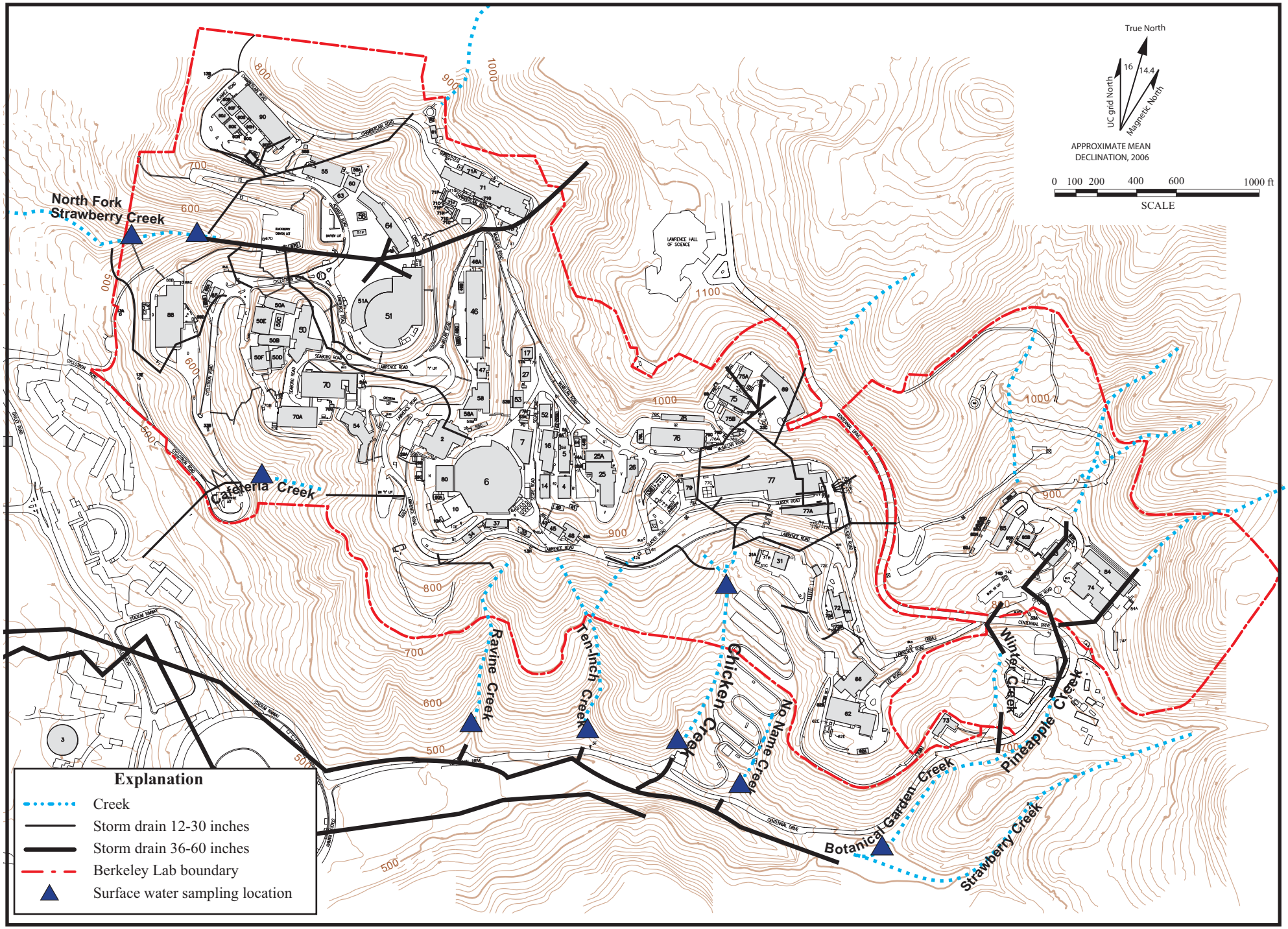



**Figure 17. Surface Water Sampling Locations, Lawrence Berkeley National Laboratory.**

17-swsamplocs.ai
1/08

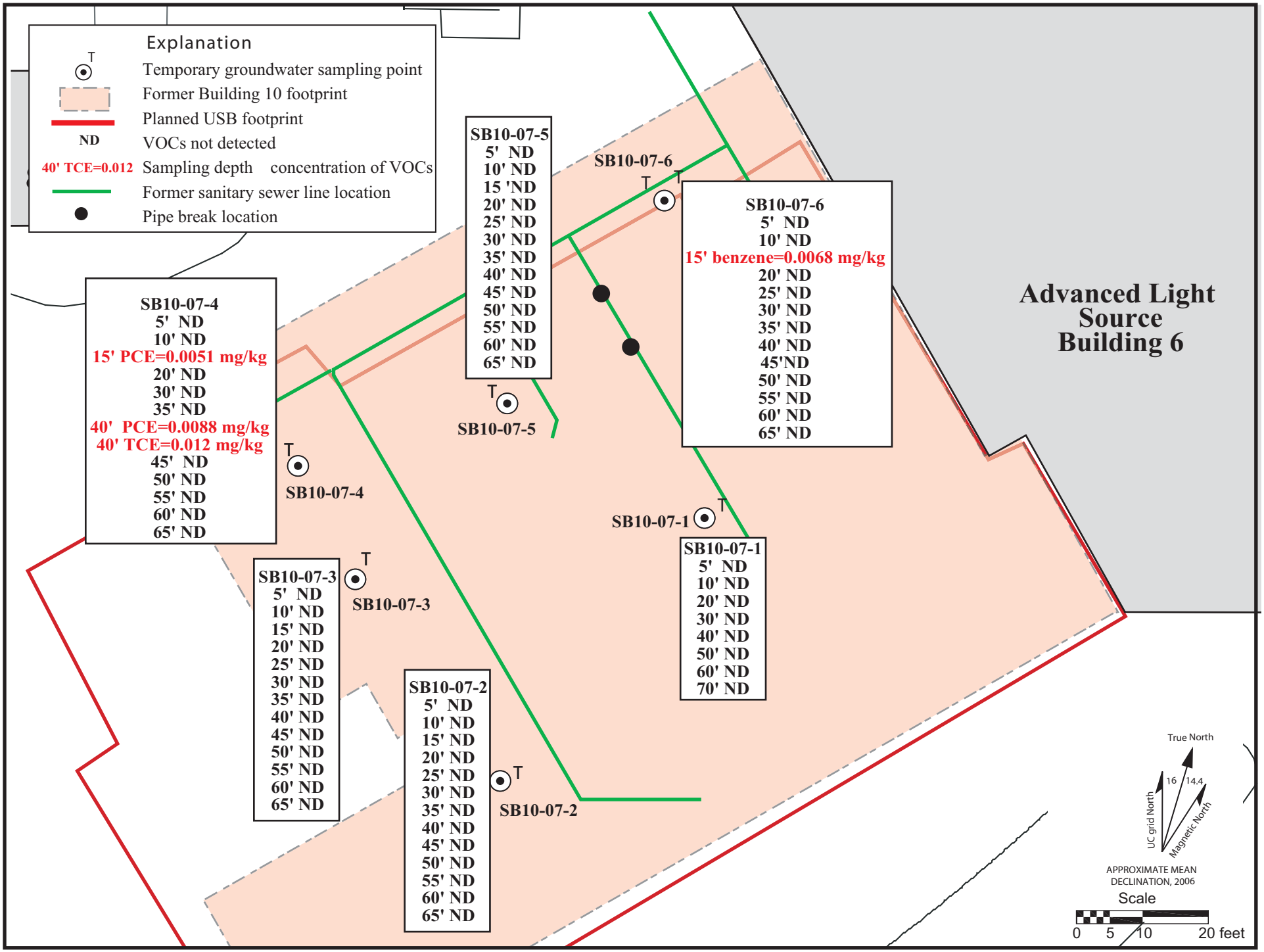
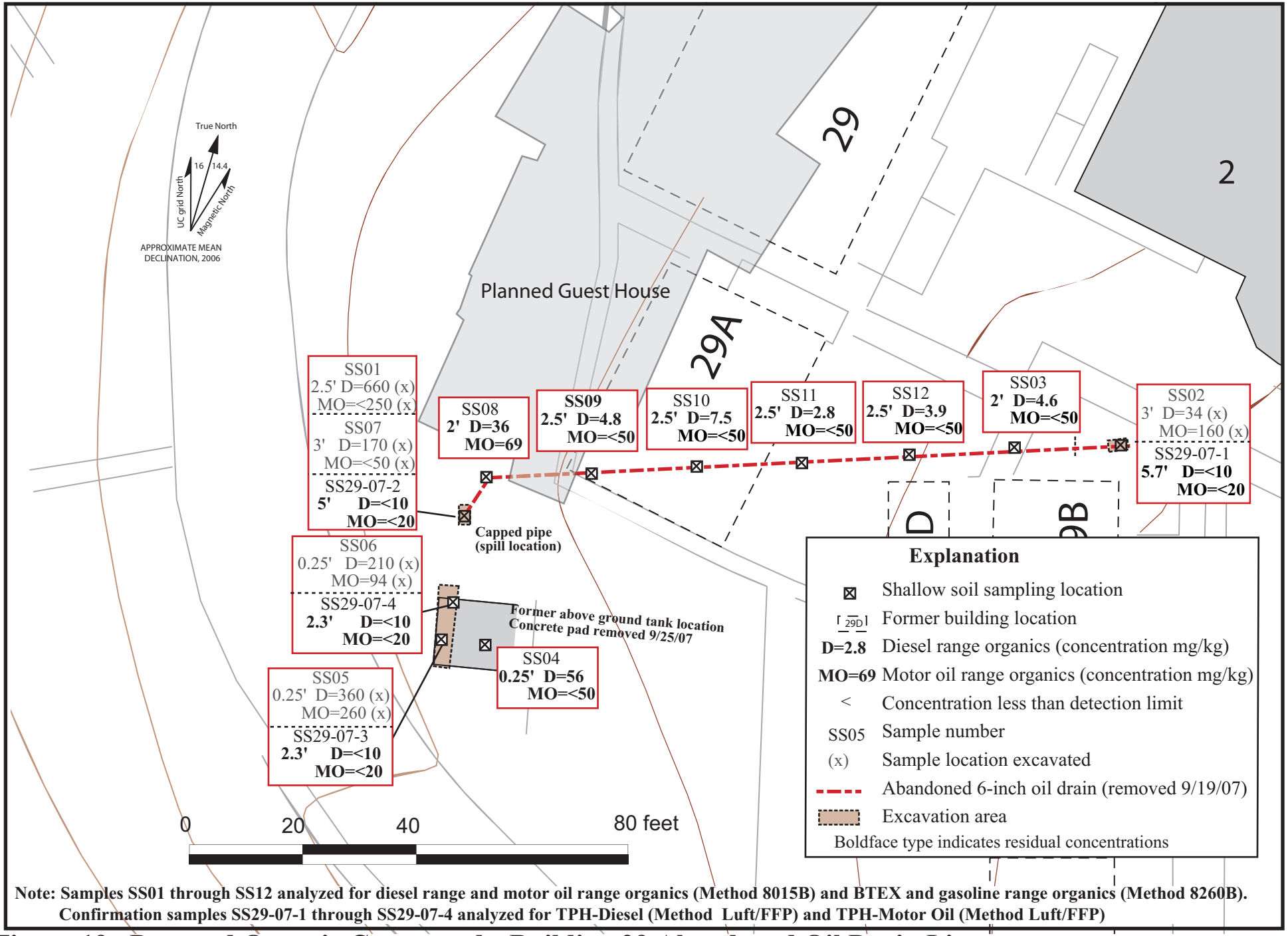



**Figure 18. Locations of Temporary Groundwater Sampling Points and Concentrations of VOCs Detected in Soil Samples, Former Building 10 Demolition Site.**

8-Building 10.ai
1/08




**Note: Samples SS01 through SS12 analyzed for diesel range and motor oil range organics (Method 8015B) and BTEX and gasoline range organics (Method 8260B). Confirmation samples SS29-07-1 through SS29-07-4 analyzed for TPH-Diesel (Method Luft/FFP) and TPH-Motor Oil (Method Luft/FFP)**

# Figure 19. Detected Organic Compounds, Building 29 Abandoned Oil Drain Line.

19-b29
1/08

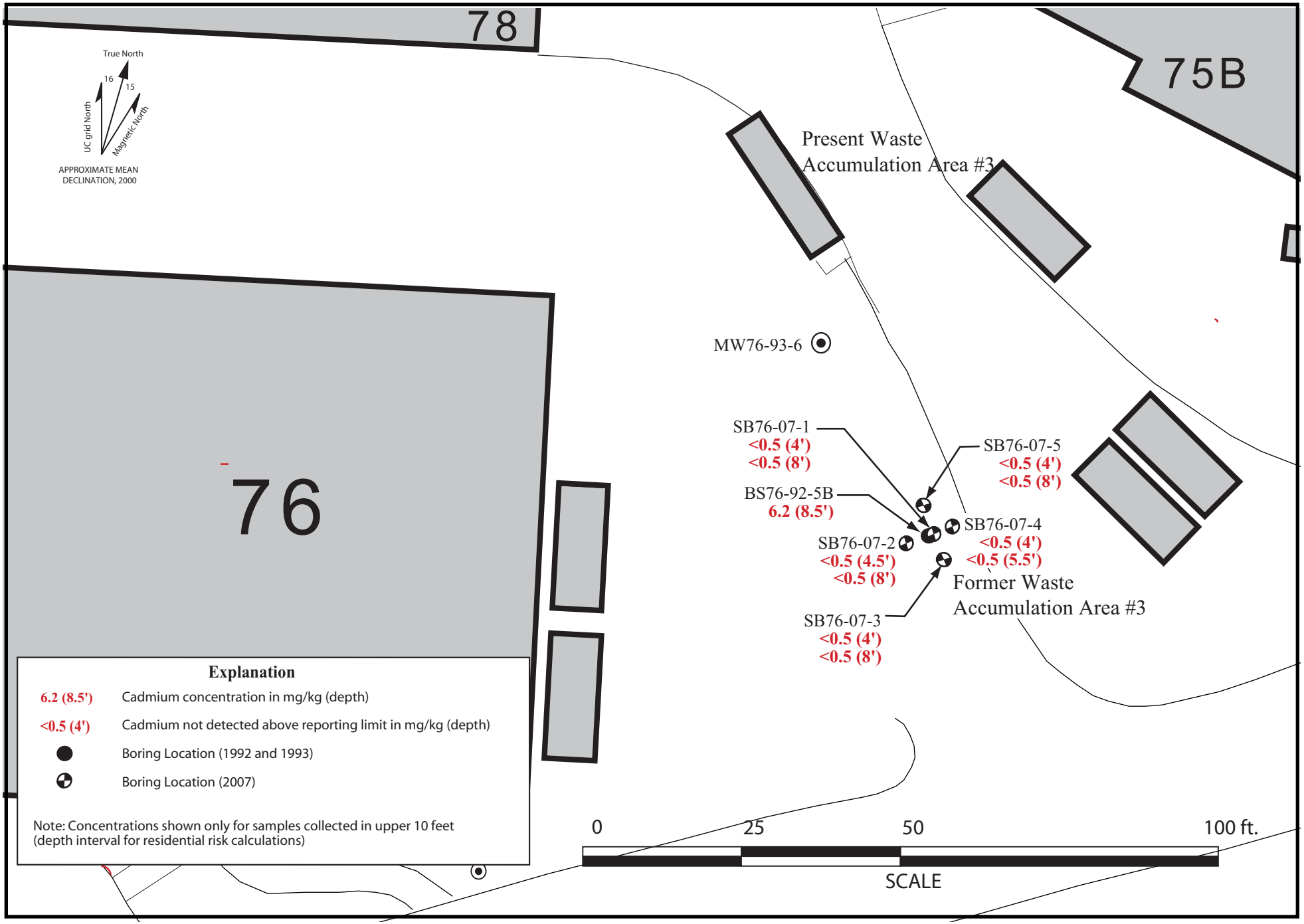
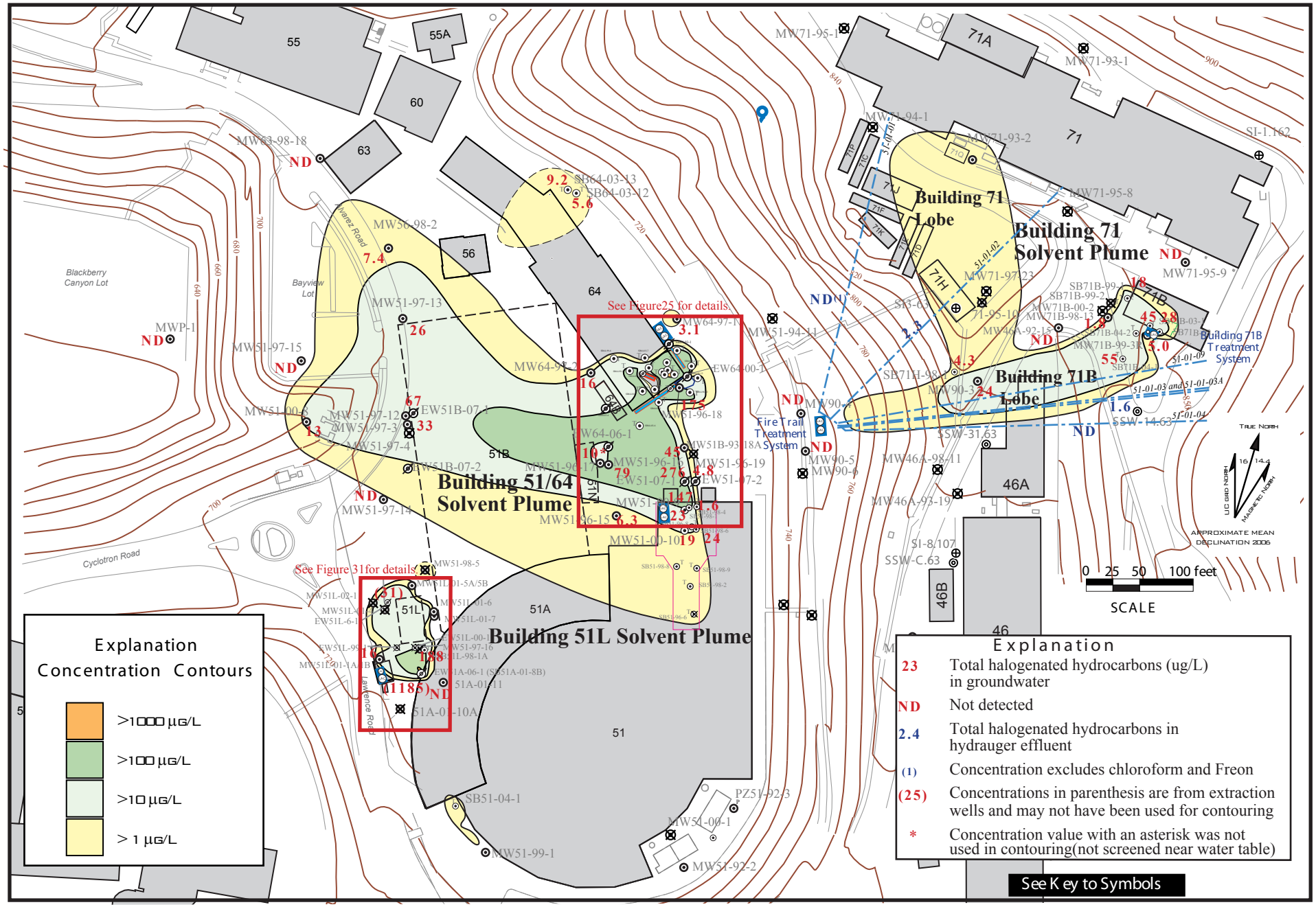



**Figure 20. Concentrations of Cadmium Detected in Shallow Soil (<10 feet depth), Building 76 Present and Former Waste Accumulation Area #3 (SWMU 4-6).**

20-b76 cadmium.ai
1/08




21-22-Bevalac-plume-fy07q4.ai
1/08

**Figure 21. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Bevalac Area, Fourth Quarter FY07.**

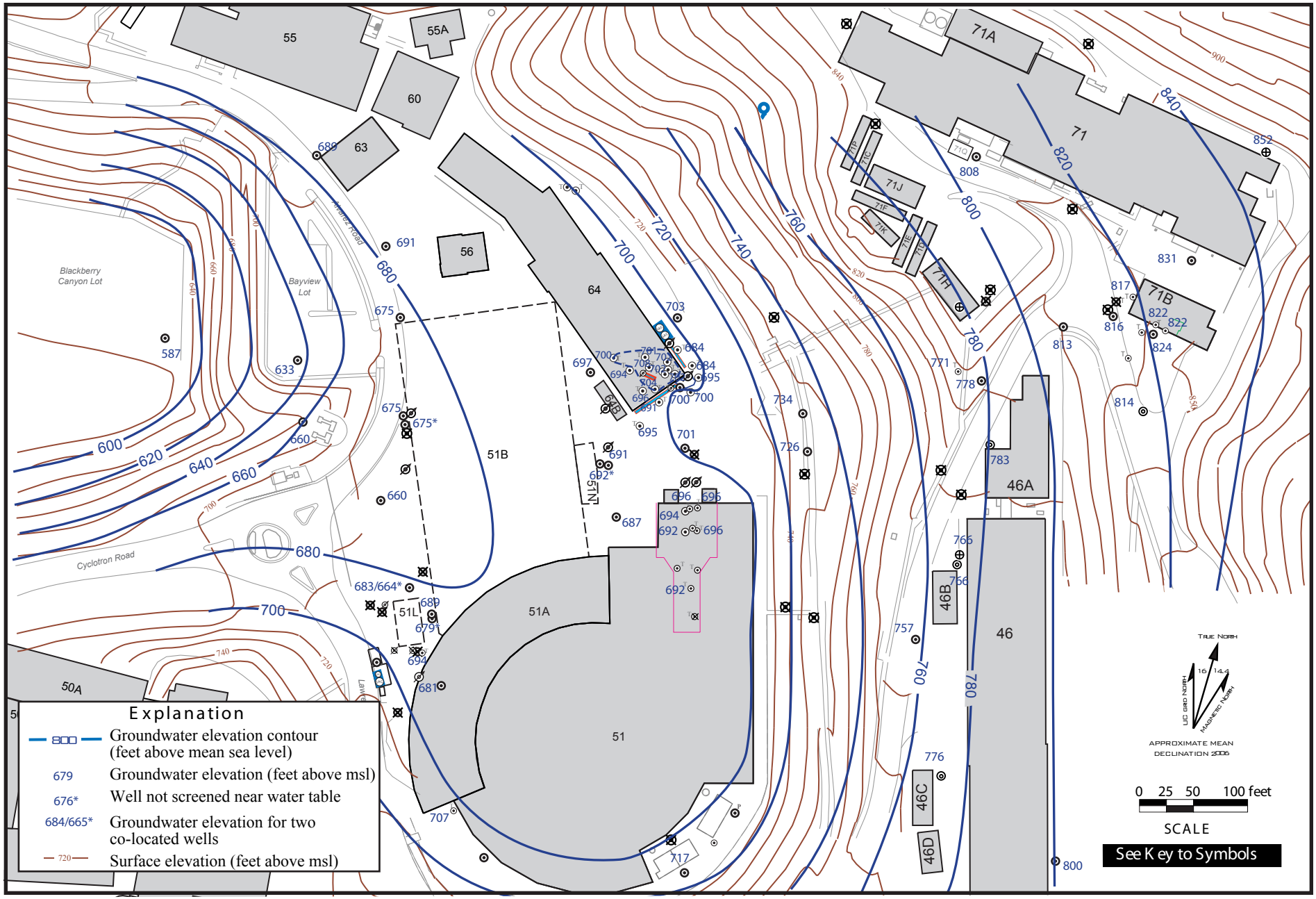



**Figure 22. Water Level Elevation Map in the Bevalac Area, Fourth Quarter FY07.**

21-22-Bevalac-plume-fy07

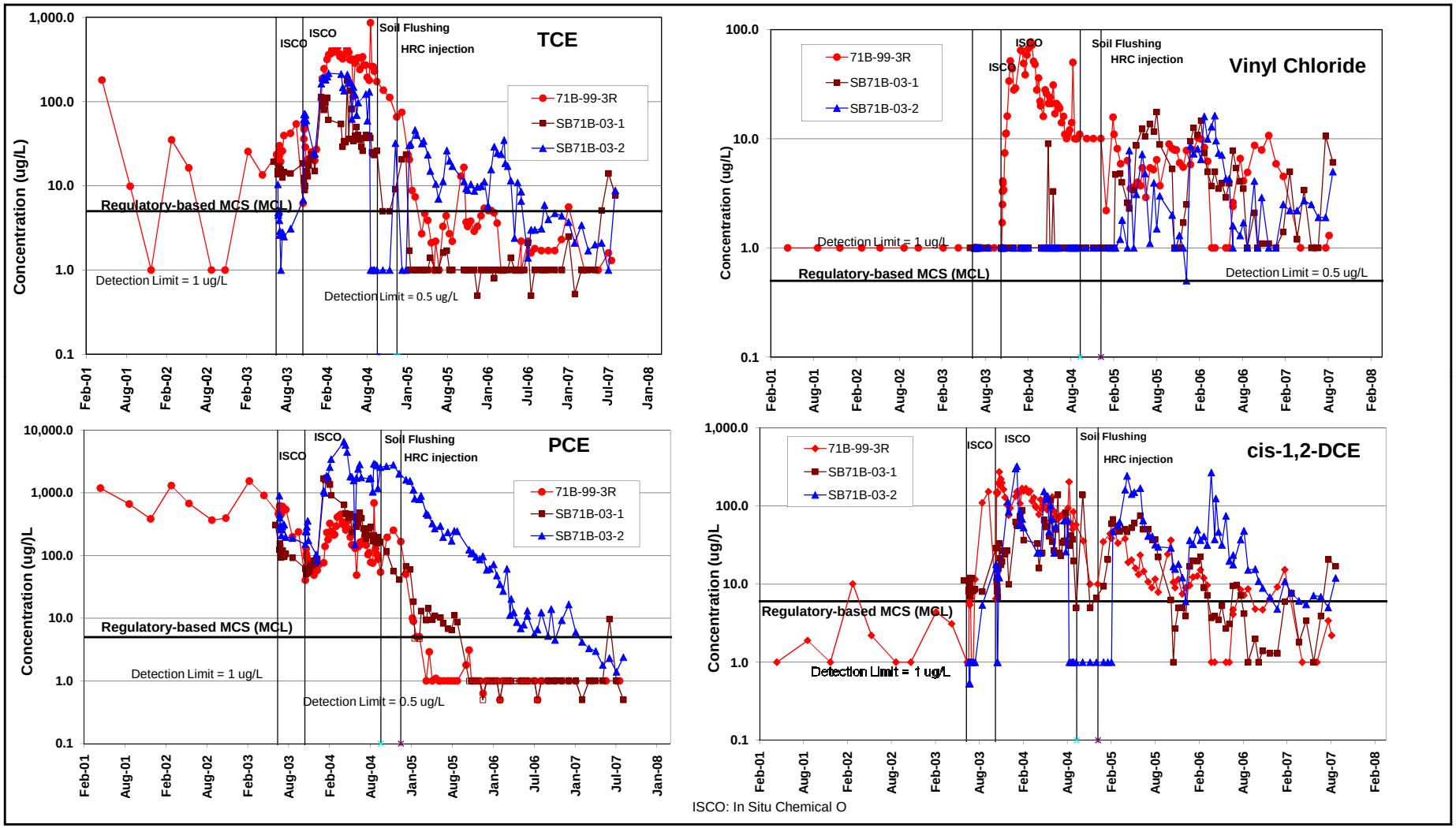



**Figure 23. Concentration Trends for Individual VOCs, Building 71B Plume Source Area.**

23-24-71B through 9-07

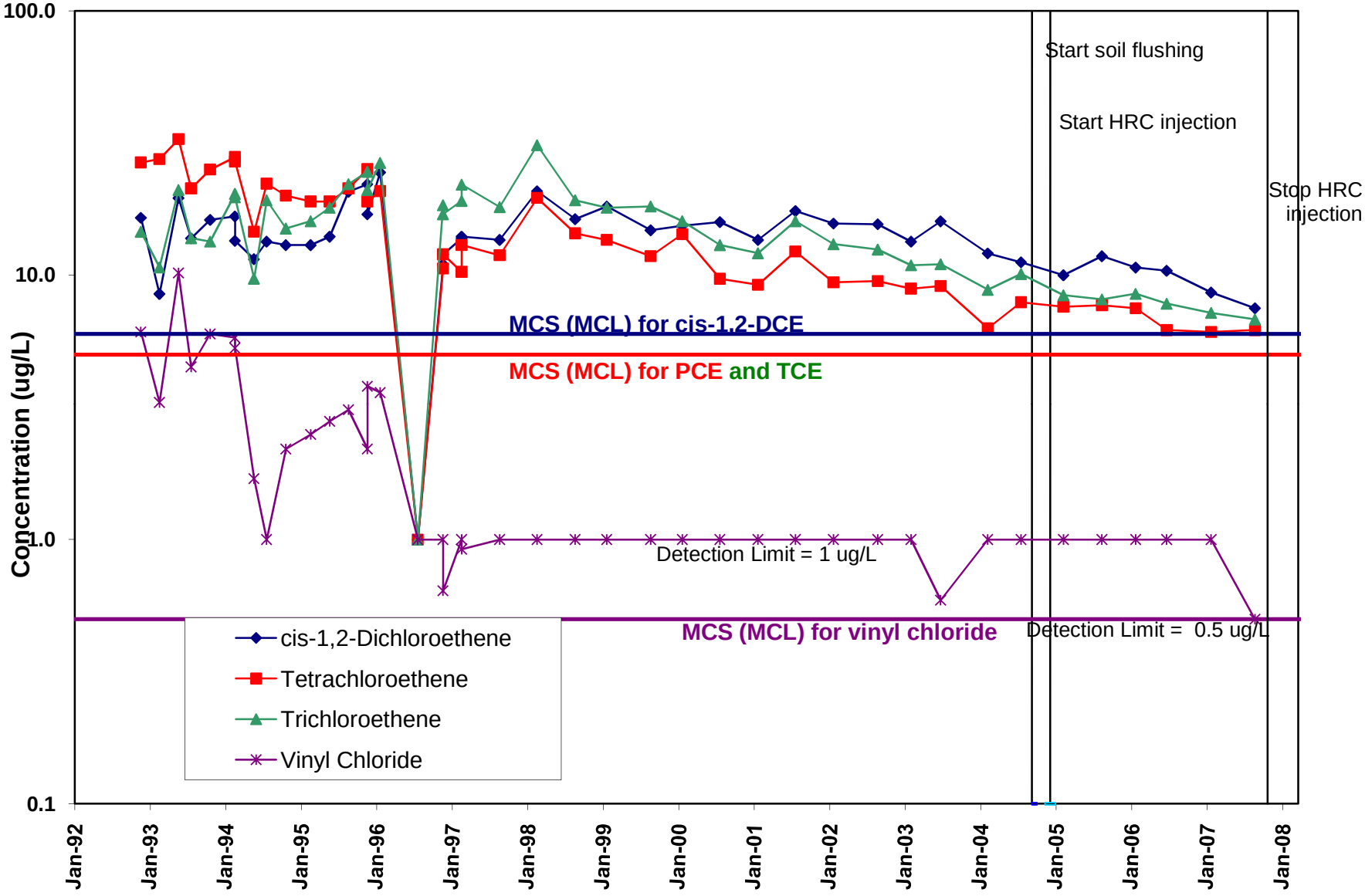



**Figure 24. Concentration Trends for Individual VOCs, MW90-3 - Building 71B Plume Core Area.**

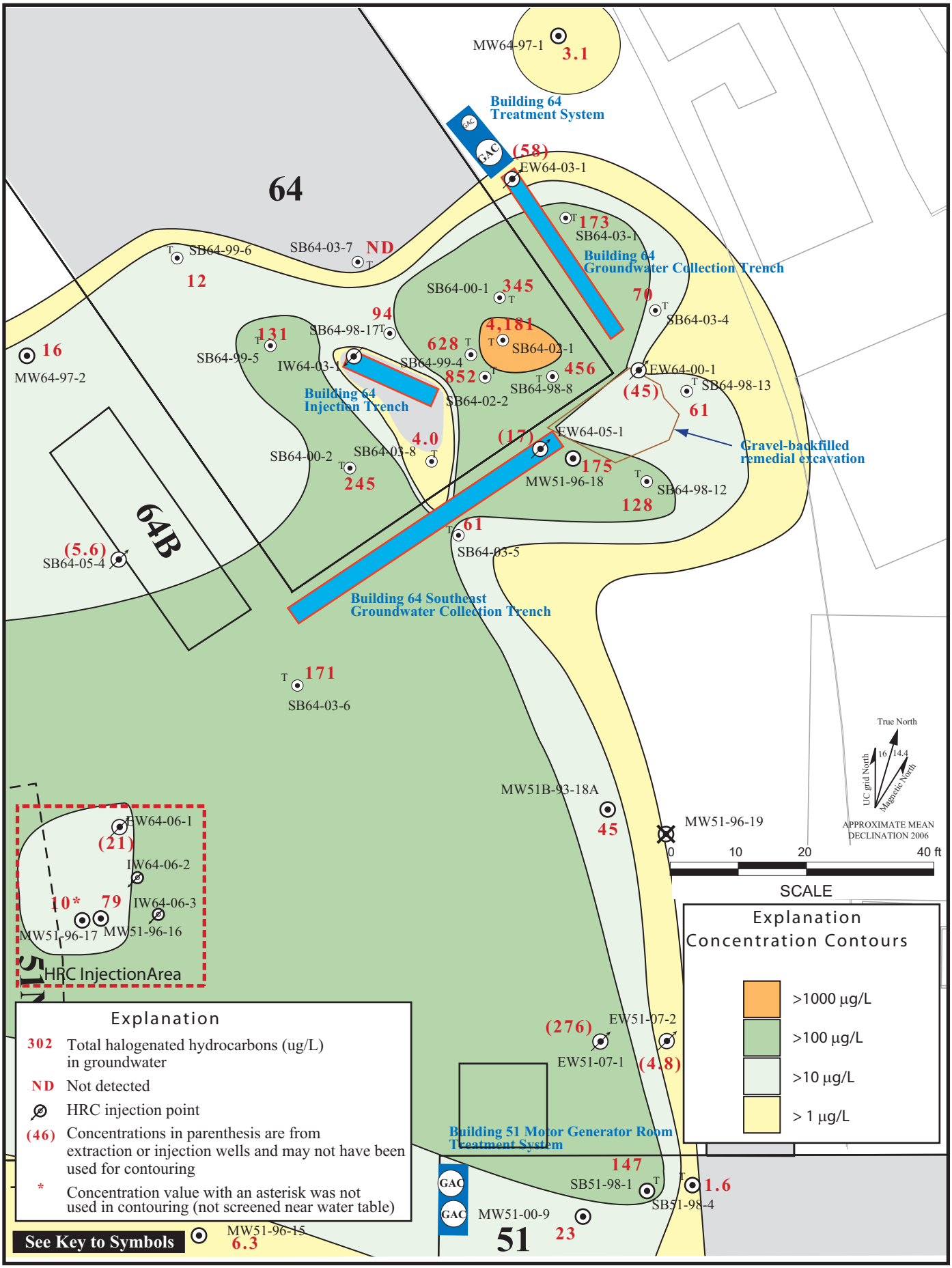



**Figure 25. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Source Area of the Building 51/64 Solvent Plume, Fourth Quarter FY07.**

25-b64vocsfy07q1
12/07

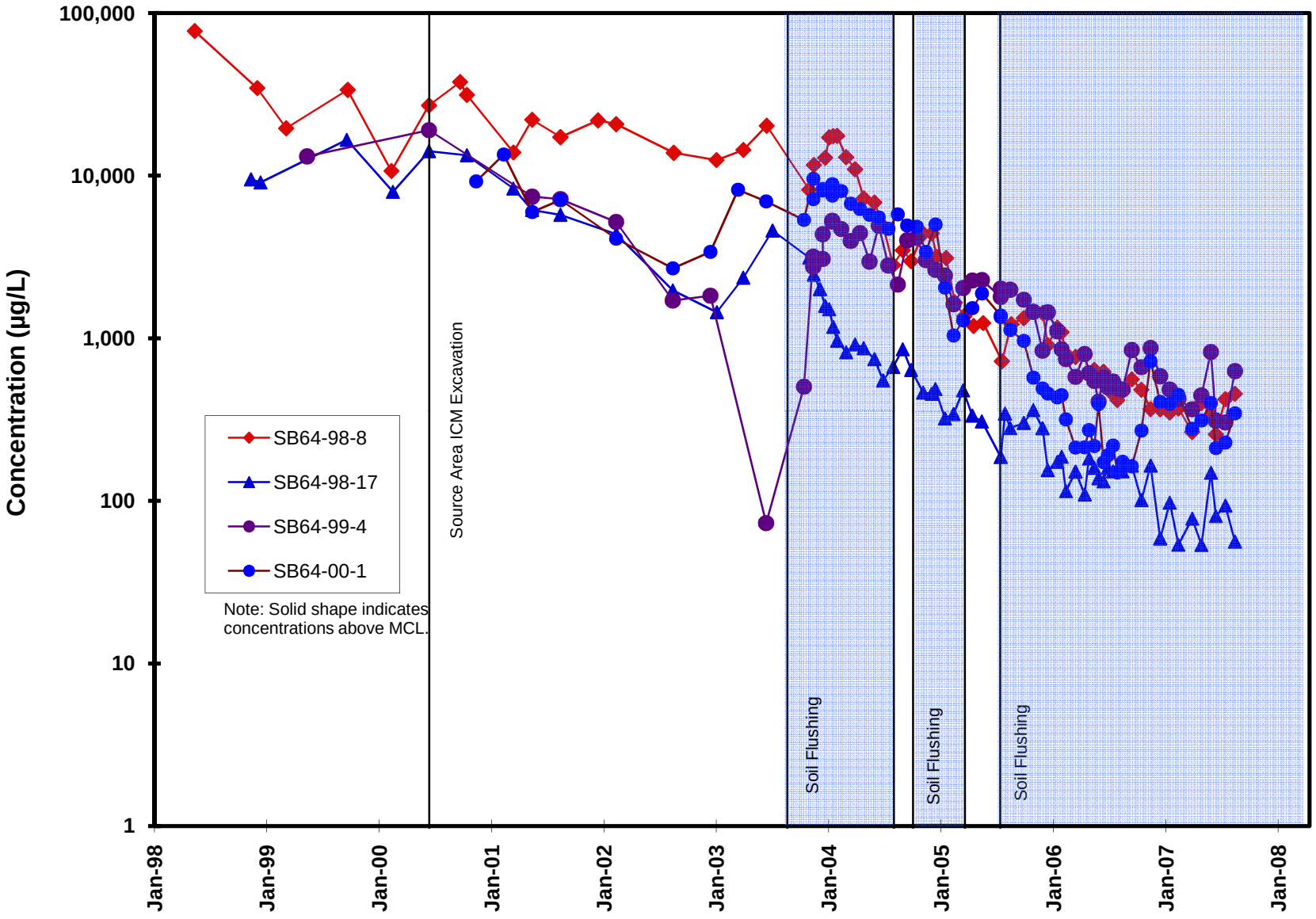



**Figure 26a. Concentration Trends for Total VOCs in the Source Area of the Building 51/64 Groundwater Solvent Plume.**

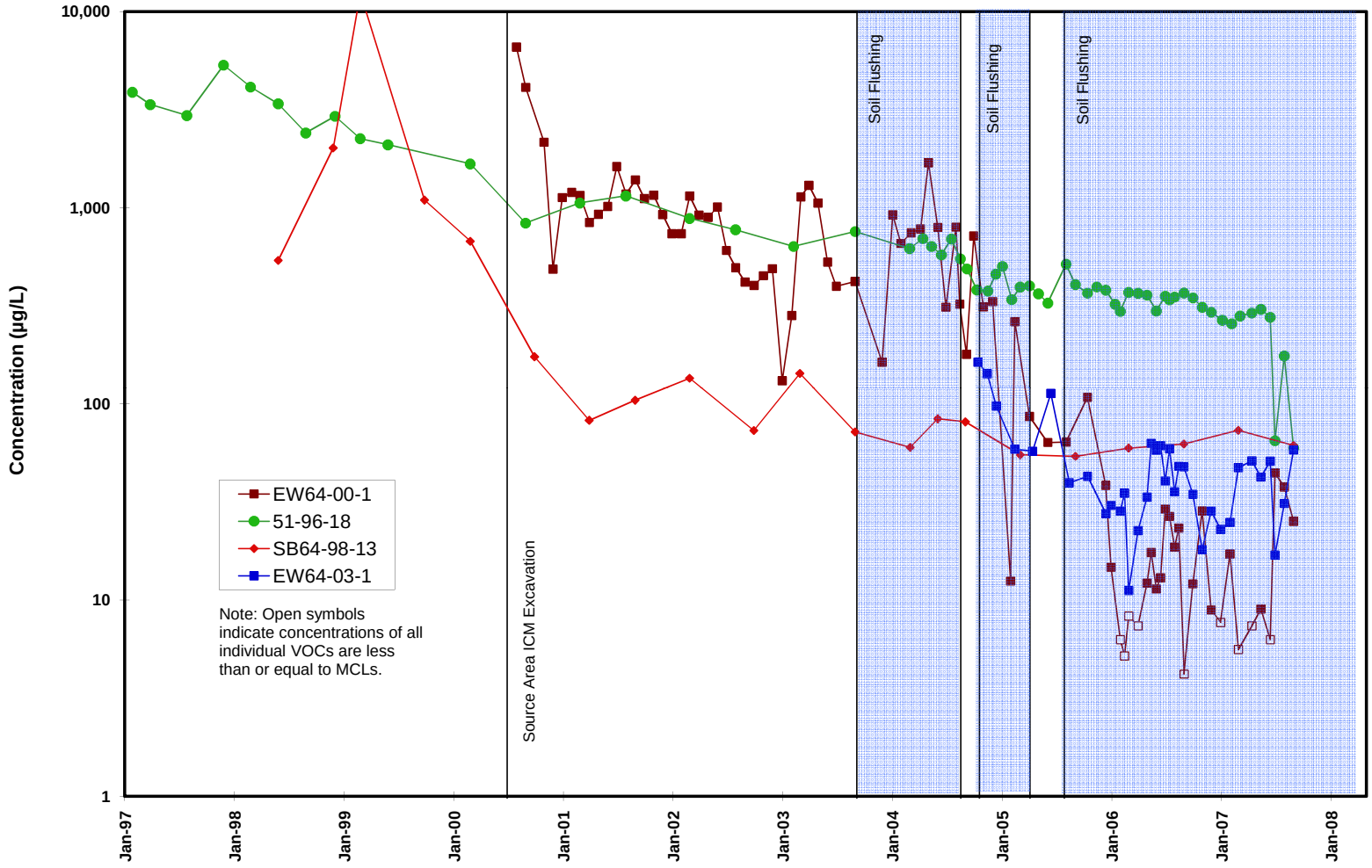



**Figure 26b. Concentration Trends for Total VOCs in the Source Area of the Building 51/64 Groundwater Solvent Plume.**

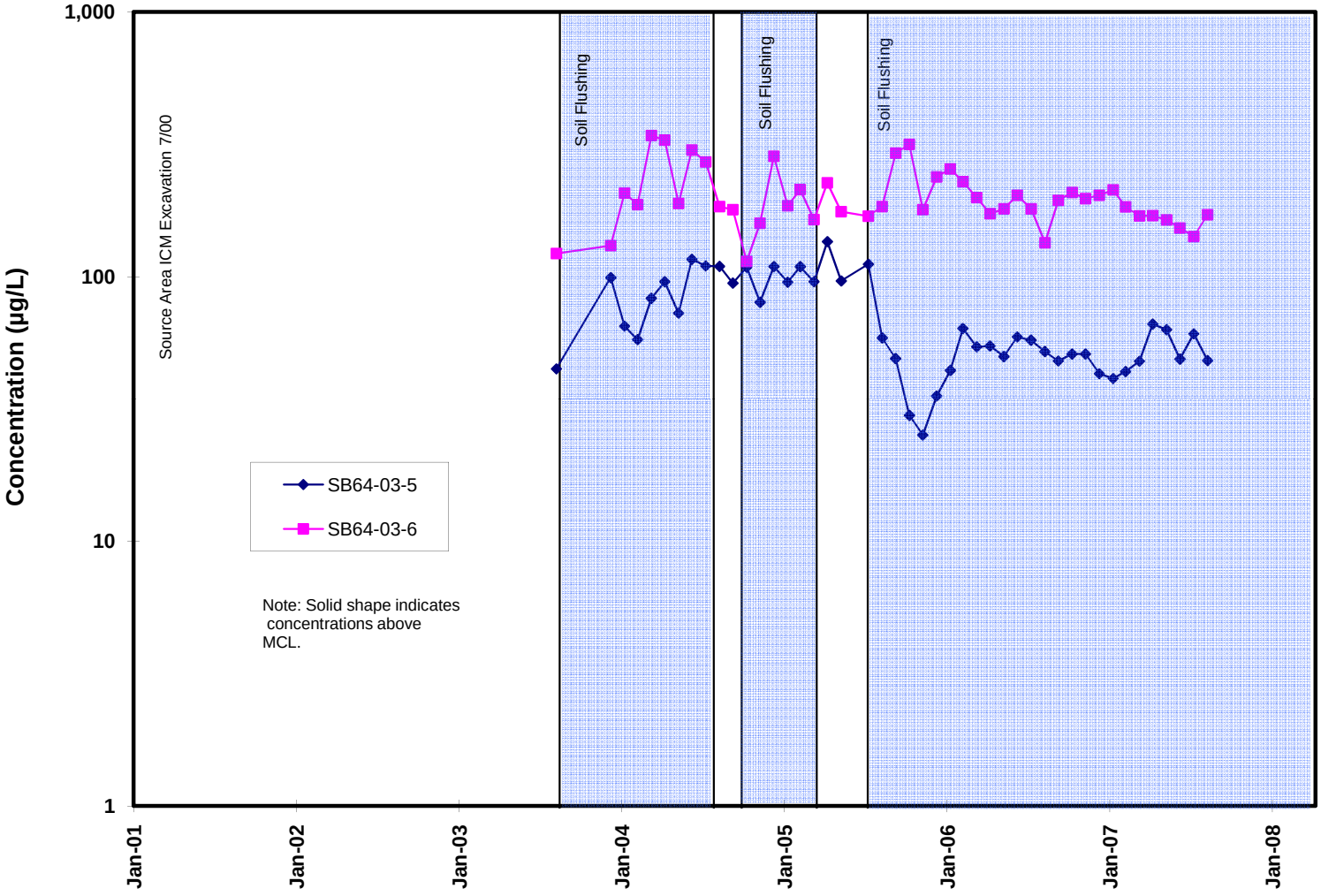



**Figure 27. Concentration Trends for Total VOCs in the Upgradient Core Area of the Building 51/64 Groundwater Solvent Plume.**

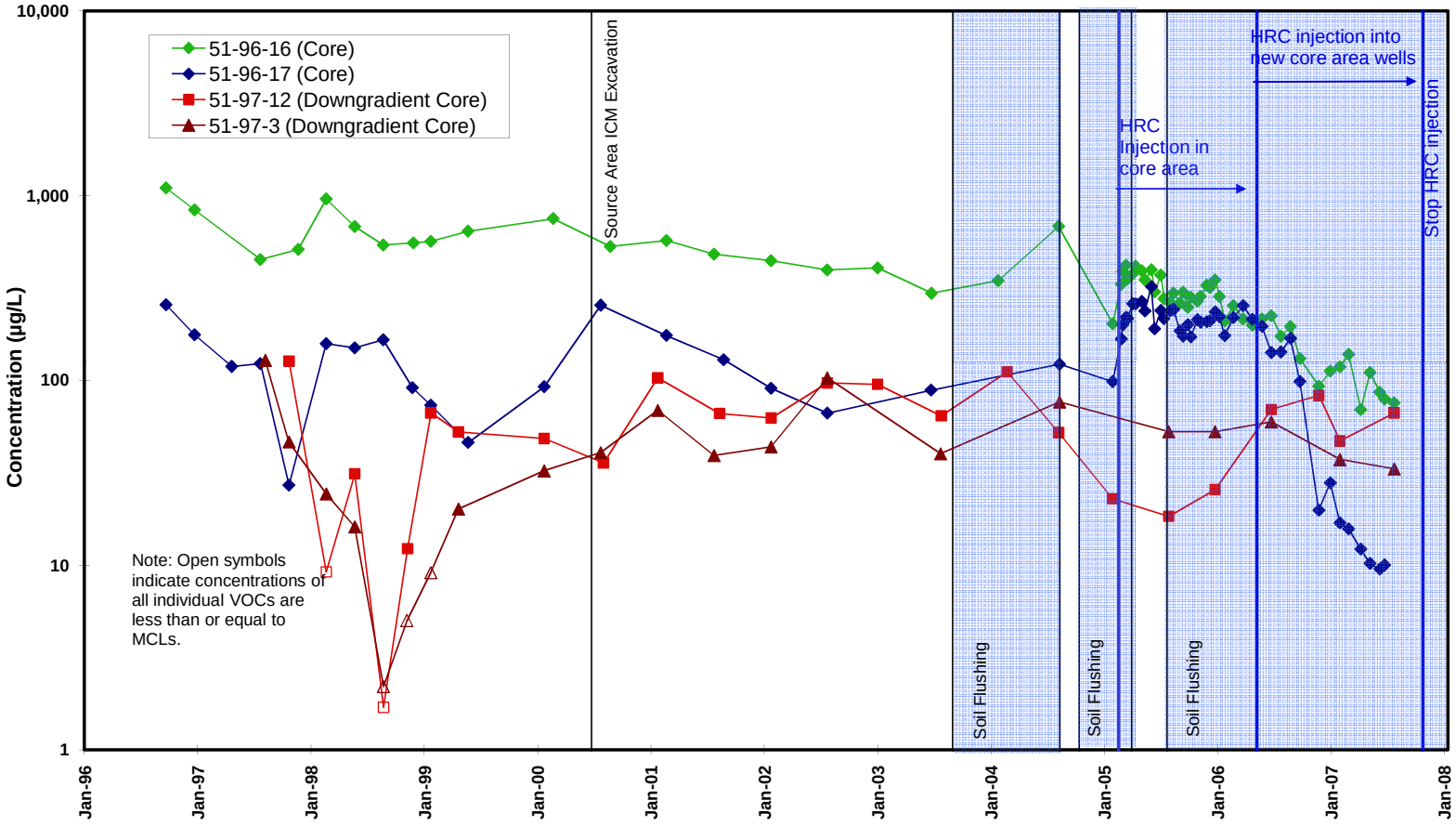



**Figure 28. Concentration Trends for Total VOCs in the Core and Downgradient Areas of the Building 51/64 Groundwater Solvent Plume.**

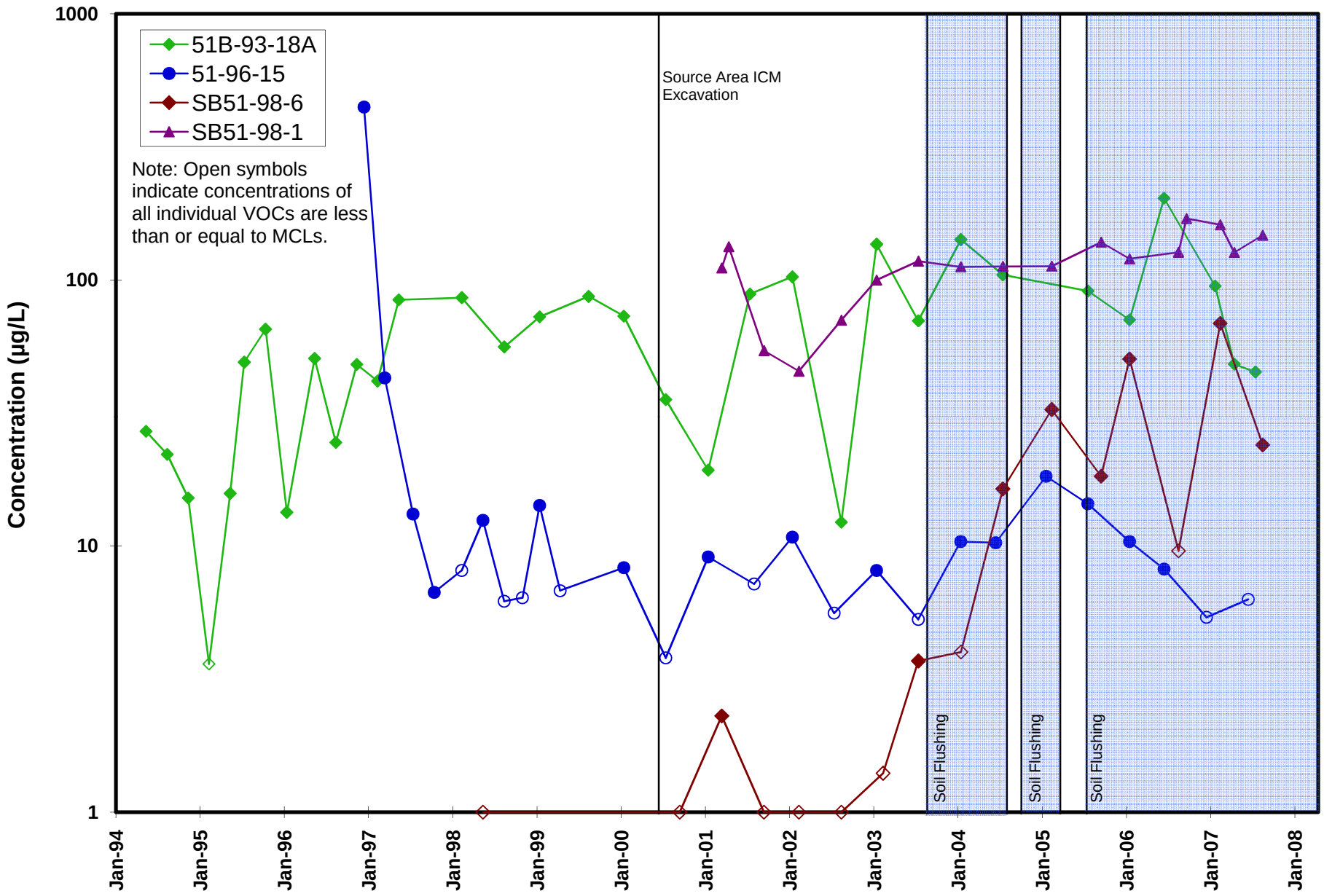



**Figure 29a. Concentration Trends for Total VOCs in the Southeastern Crossgradient Area of the Building 51/64 Groundwater Solvent Plume.**

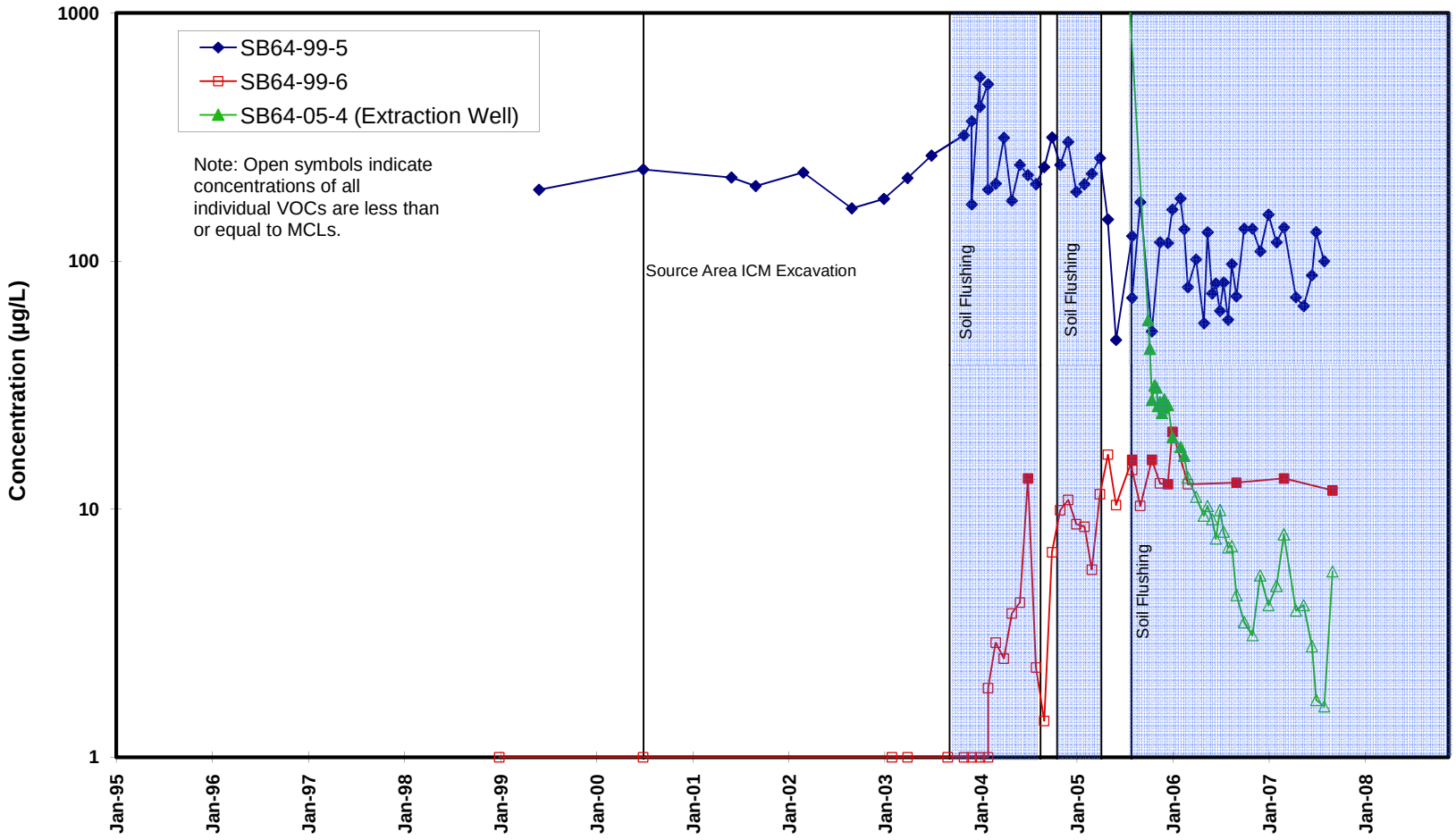



**Figure 29b. Concentration Trends for Total VOCs in the Northwestern Crossgradient Area of the Building 51/64 Groundwater Solvent Plume.**

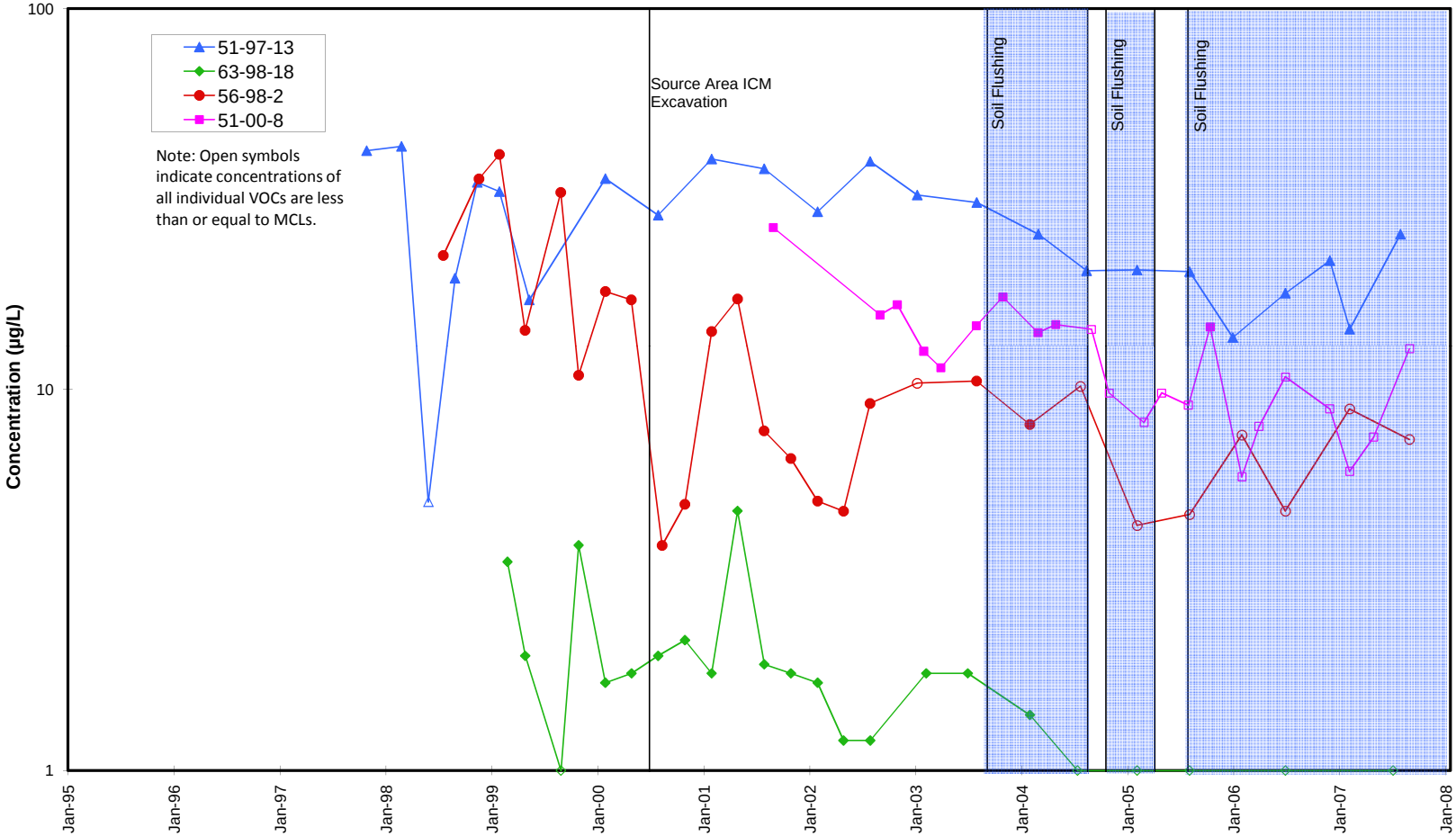
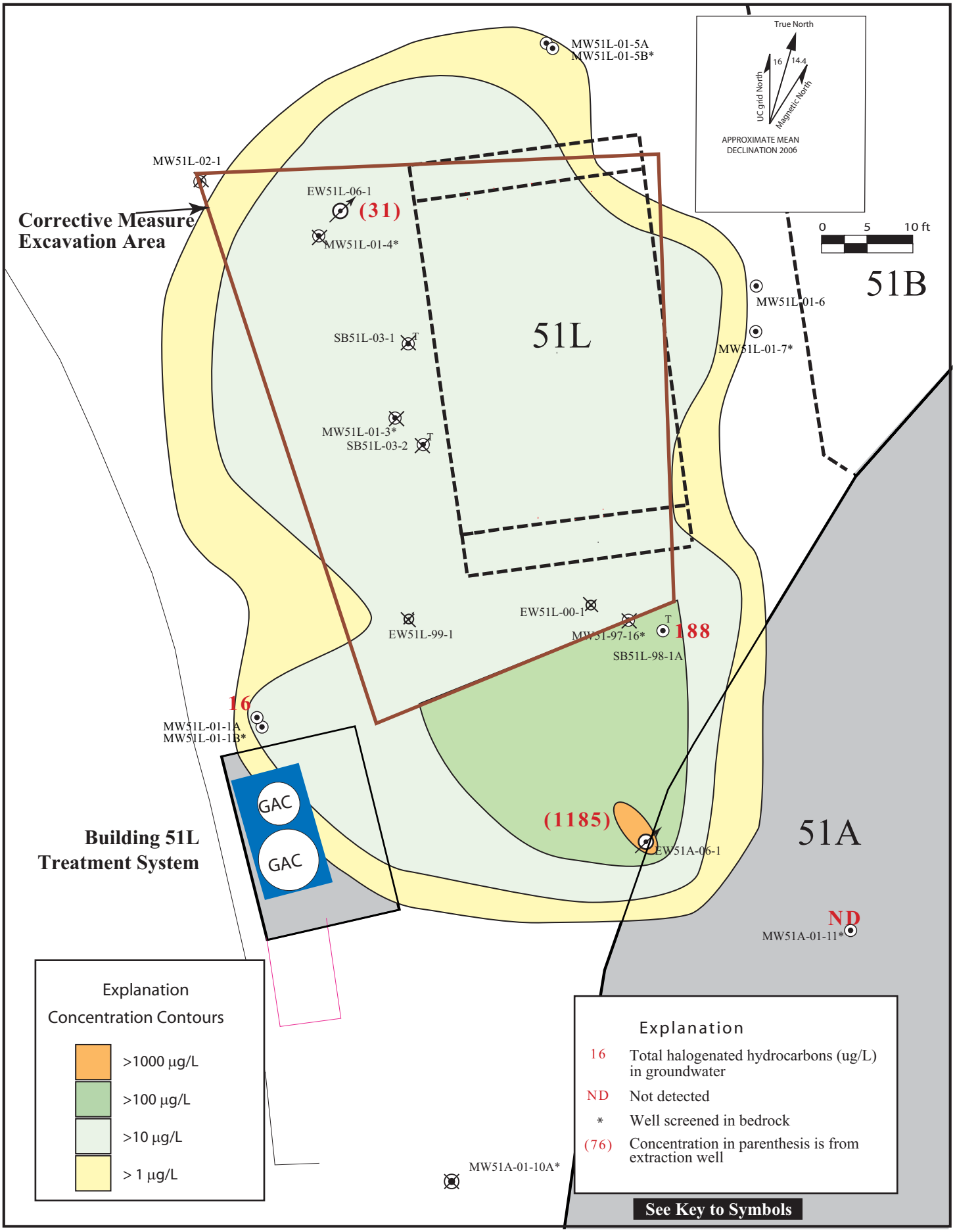



**Figure 30. Concentration Trends for Total VOCs in the Downgradient Area of the Building 51/64 Groundwater Solvent Plume.**




31-b51lltotlvocsfy07q1
1/08

**Figure 31. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater in Fill (ug/L), Building 51L Groundwater Solvent Plume, Fourth Quarter FY07.**

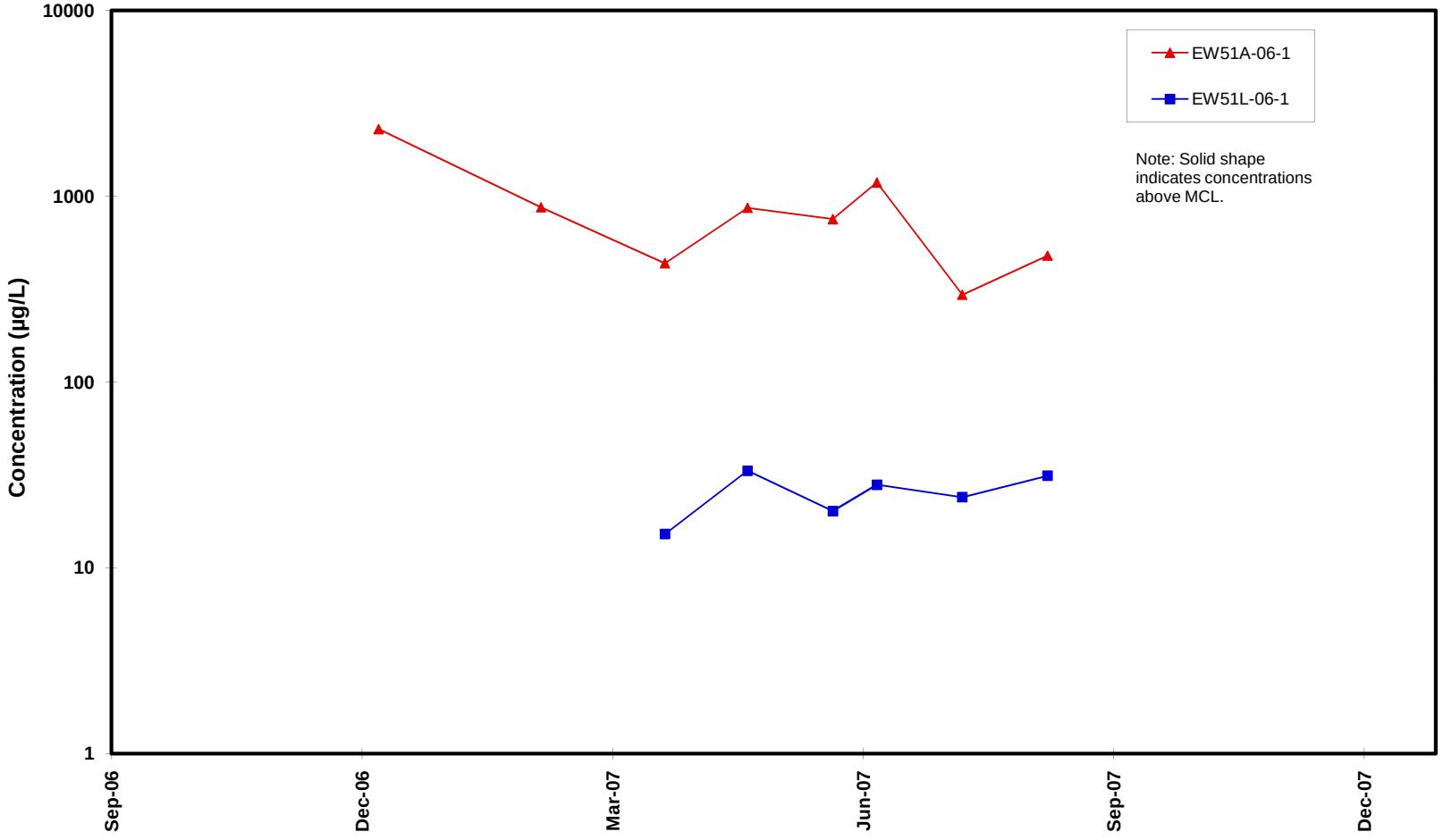
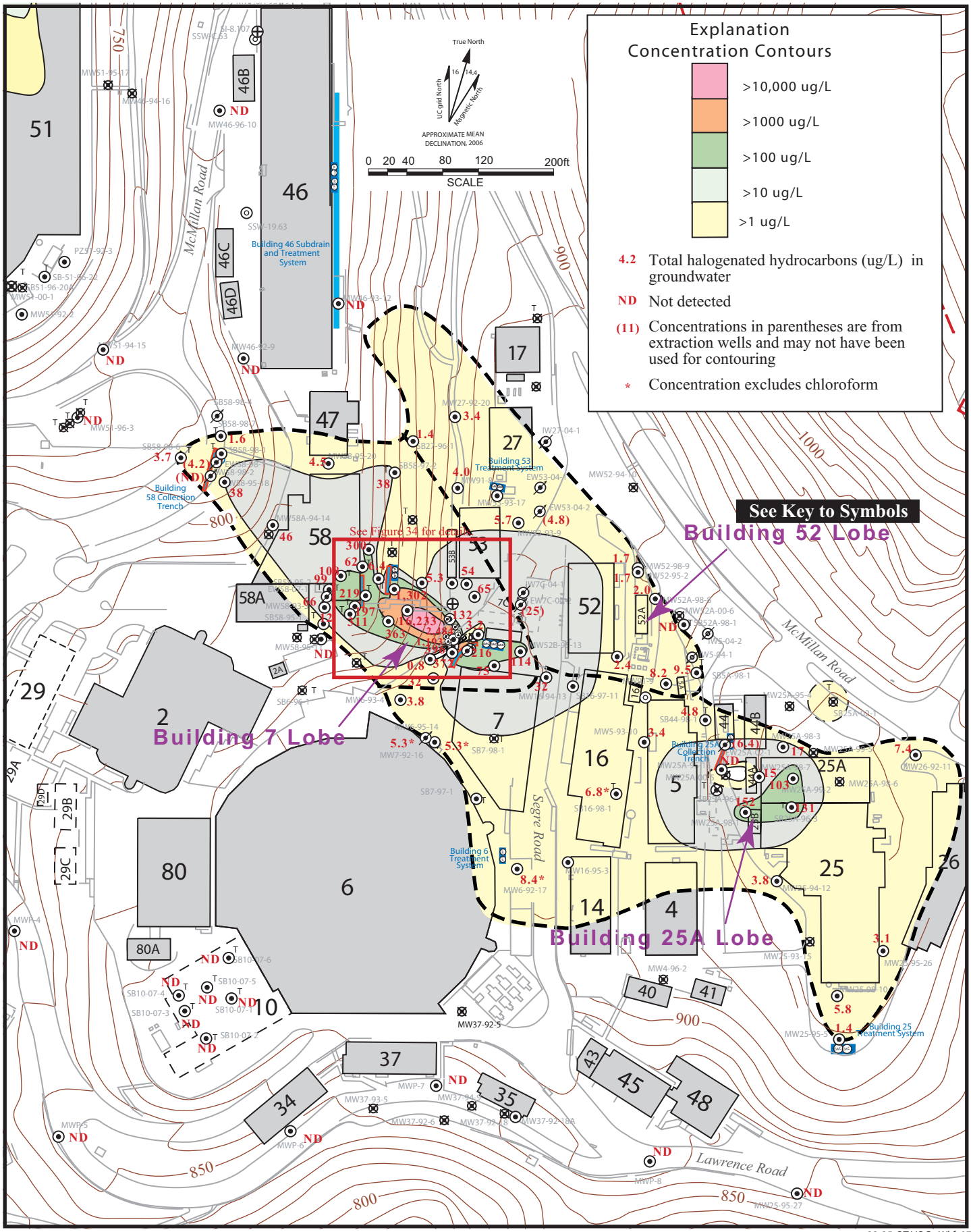



**Figure 32. Concentration Trends for Total VOCs in EW51A-06-1 and EW51L-06-1, Building 51L Groundwater Solvent Plume.**




33-35-OT VOCs-WI fy07q4.ai
1/08

**Figure 33. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Old Town Area, Fourth Quarter FY07.**

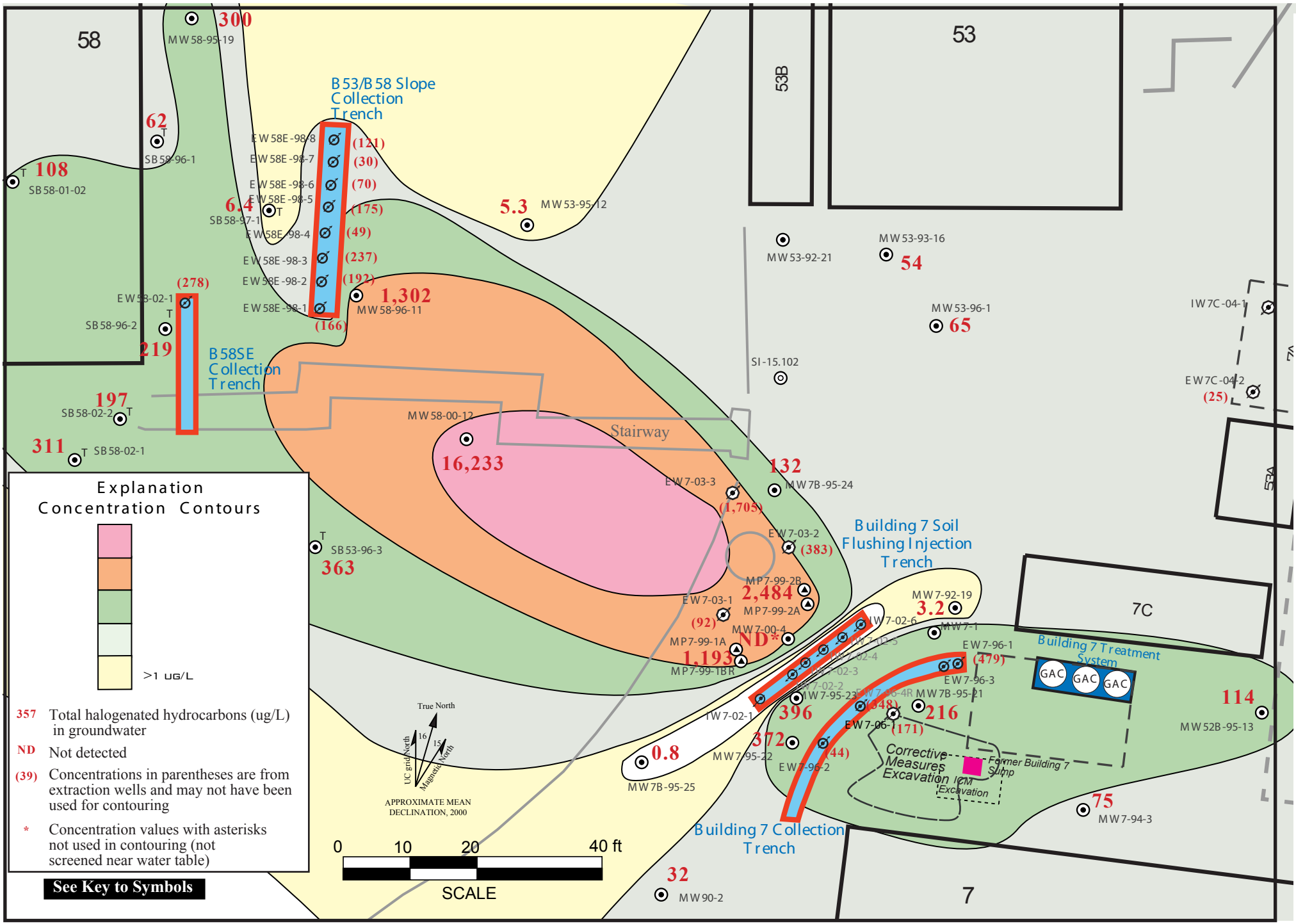
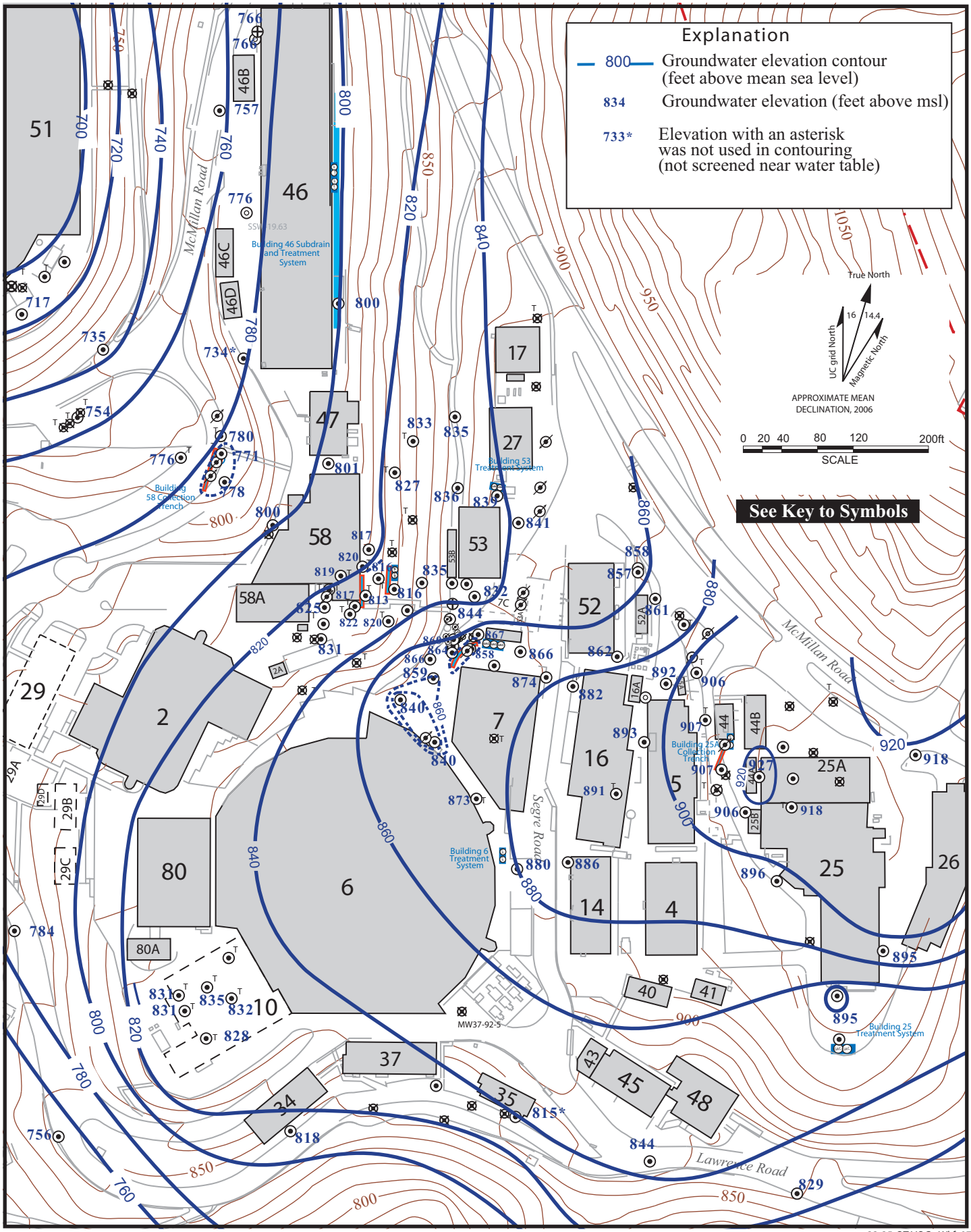



**Figure 34. Isoconcentration Contour Map, Total Halogenated Hydrocarbons in Groundwater (ug/L) in the Source Area of the Old Town Solvent Plume, Fourth Quarter FY07.**

34-OTsumpareaVOCs.ai
12/07




33-35-OT VOCs-WI fy07q4.ai
1/08

**Figure 35. Water Level Elevation Map of the Old Town Area, Fourth Quarter FY07.**

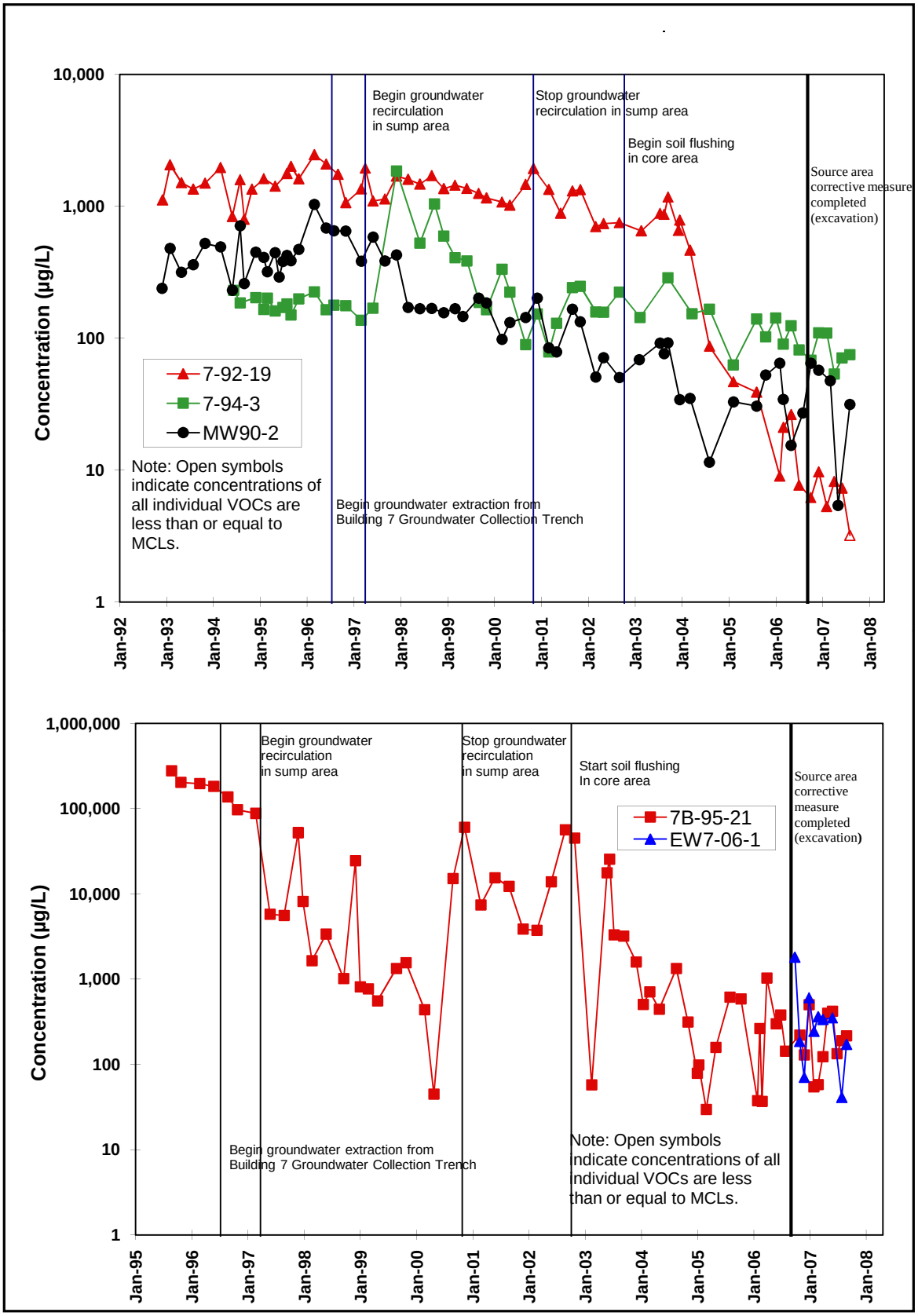



**Figure 36a. Concentration Trends for Total VOCs, Building 7 Lobe Source Area.**

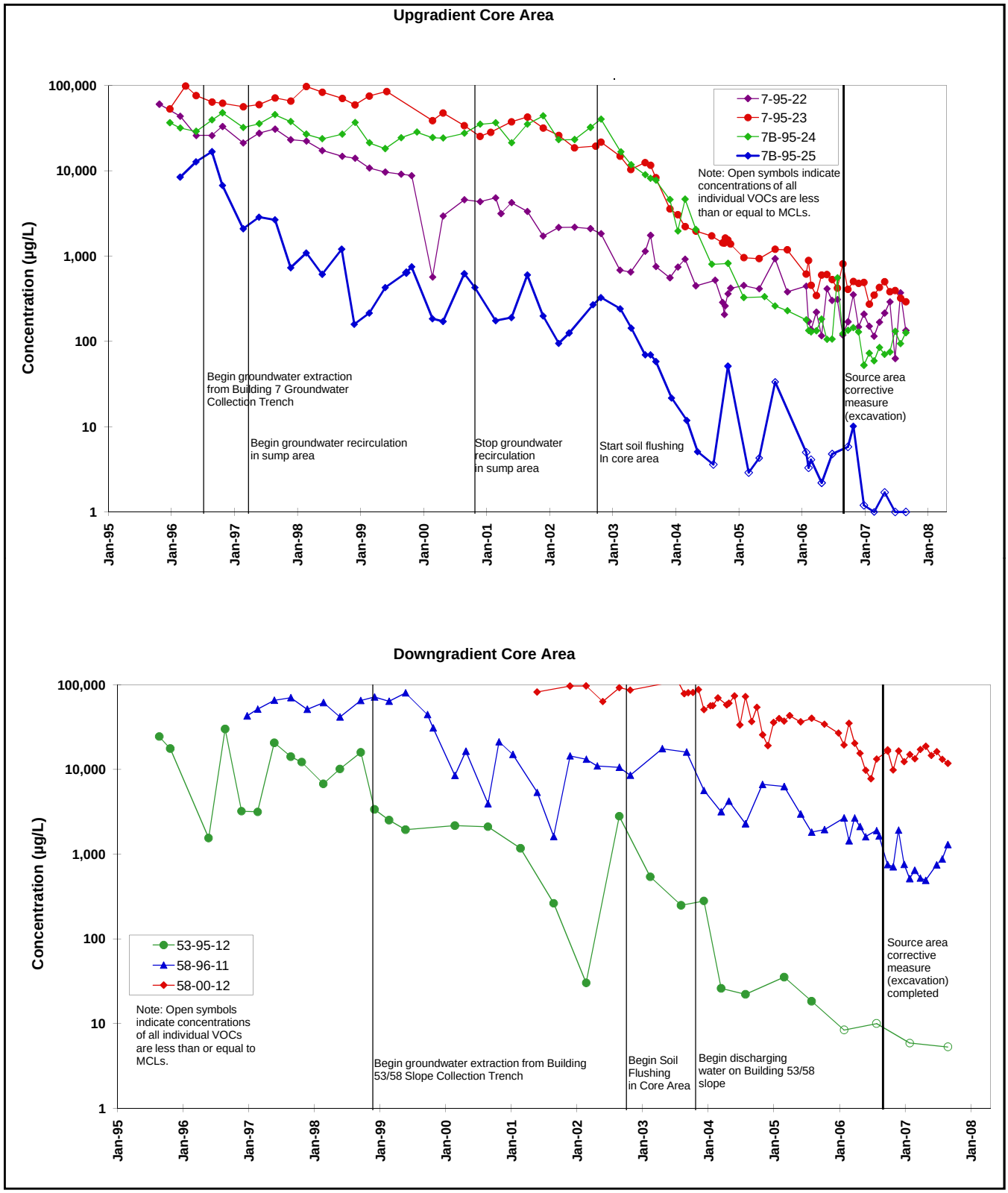



**Figure 36b. Concentration Trends for Total VOCs, Building 7 Lobe Core Areas.**

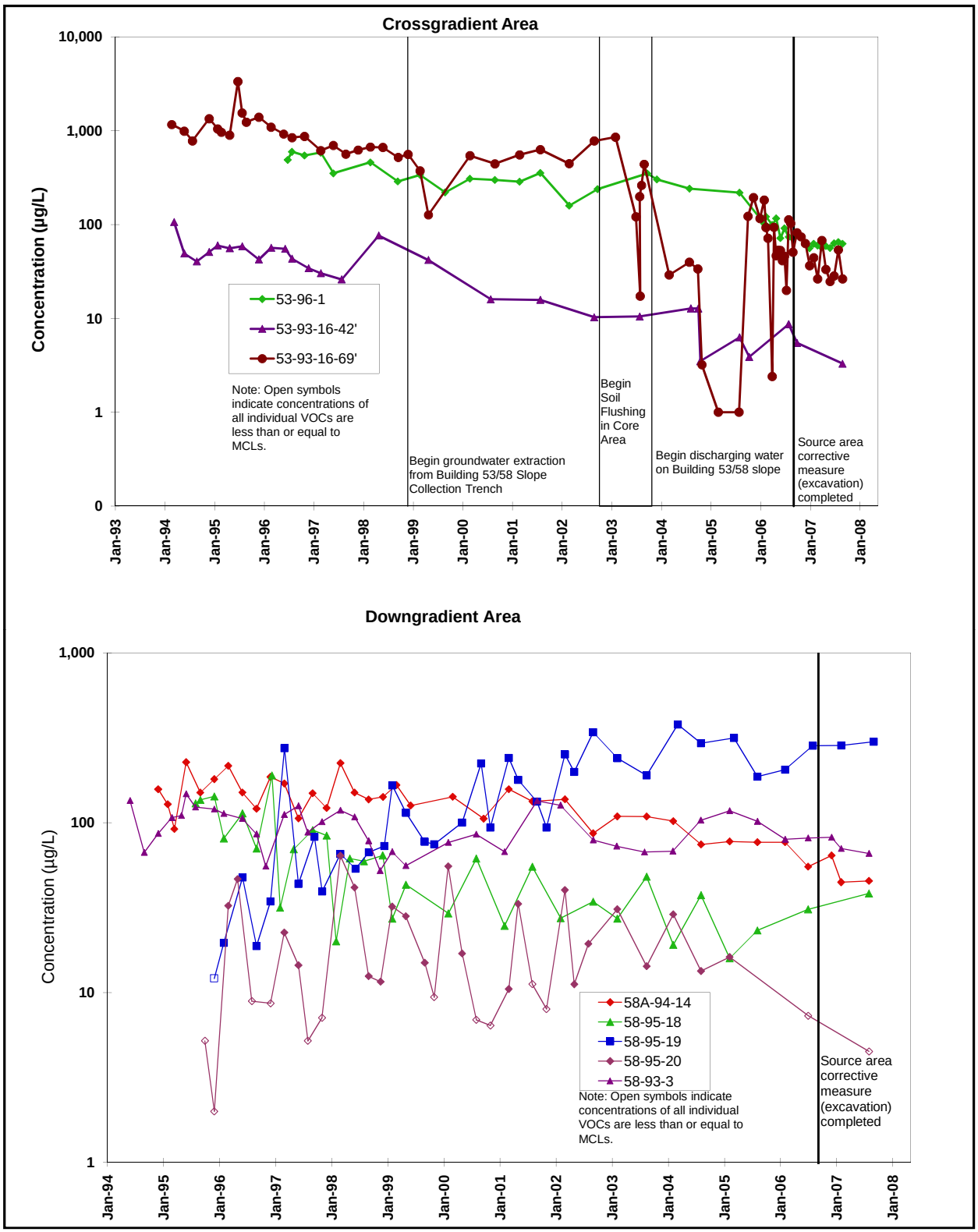



**Figure 36c. Concentration Trends for Total VOCs, Building 7 Lobe Downgradient and Crossgradient Areas.**

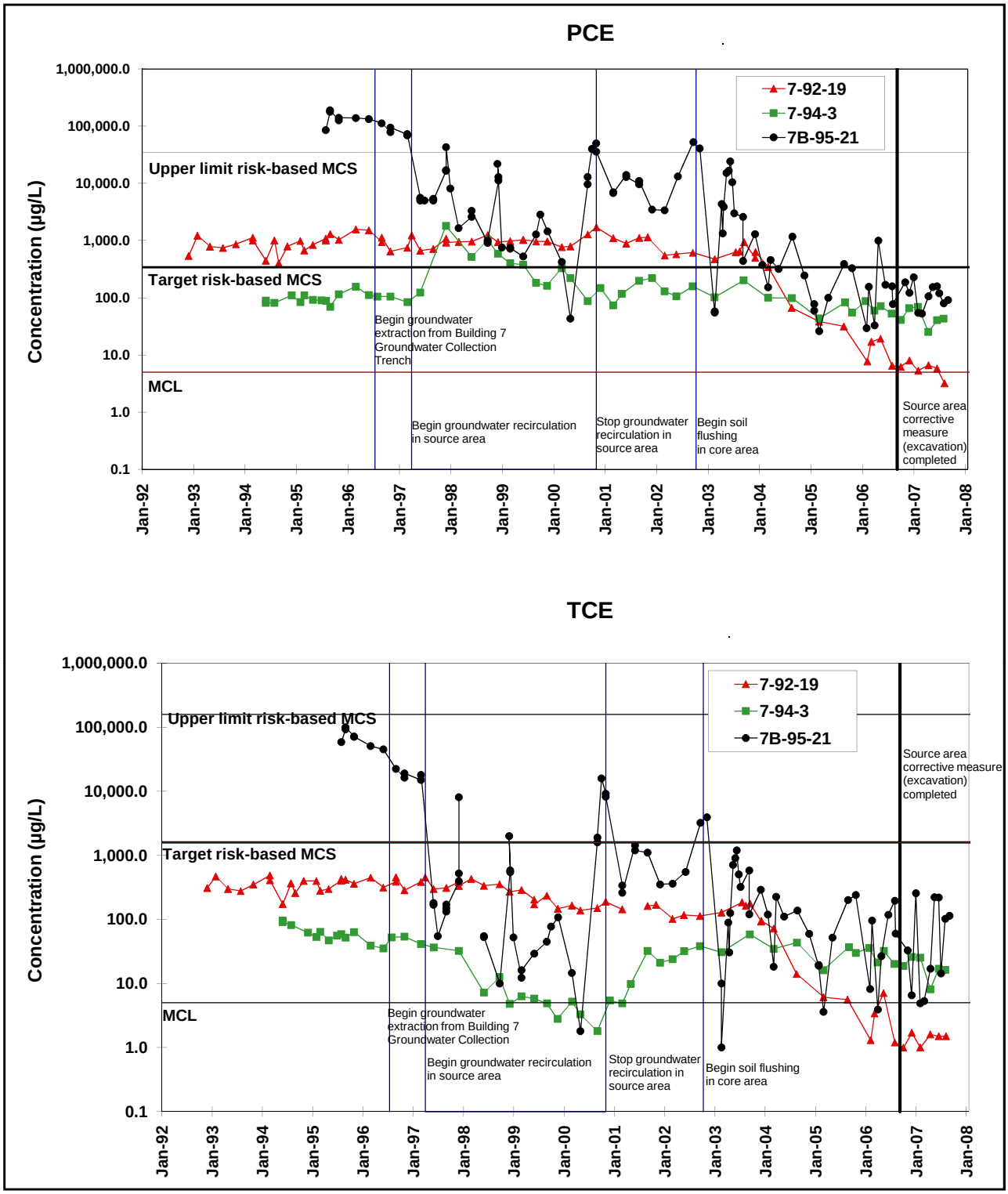



**Figure 37a. Concentration Trends for VOCs, Building 7 Lobe Source Area.**

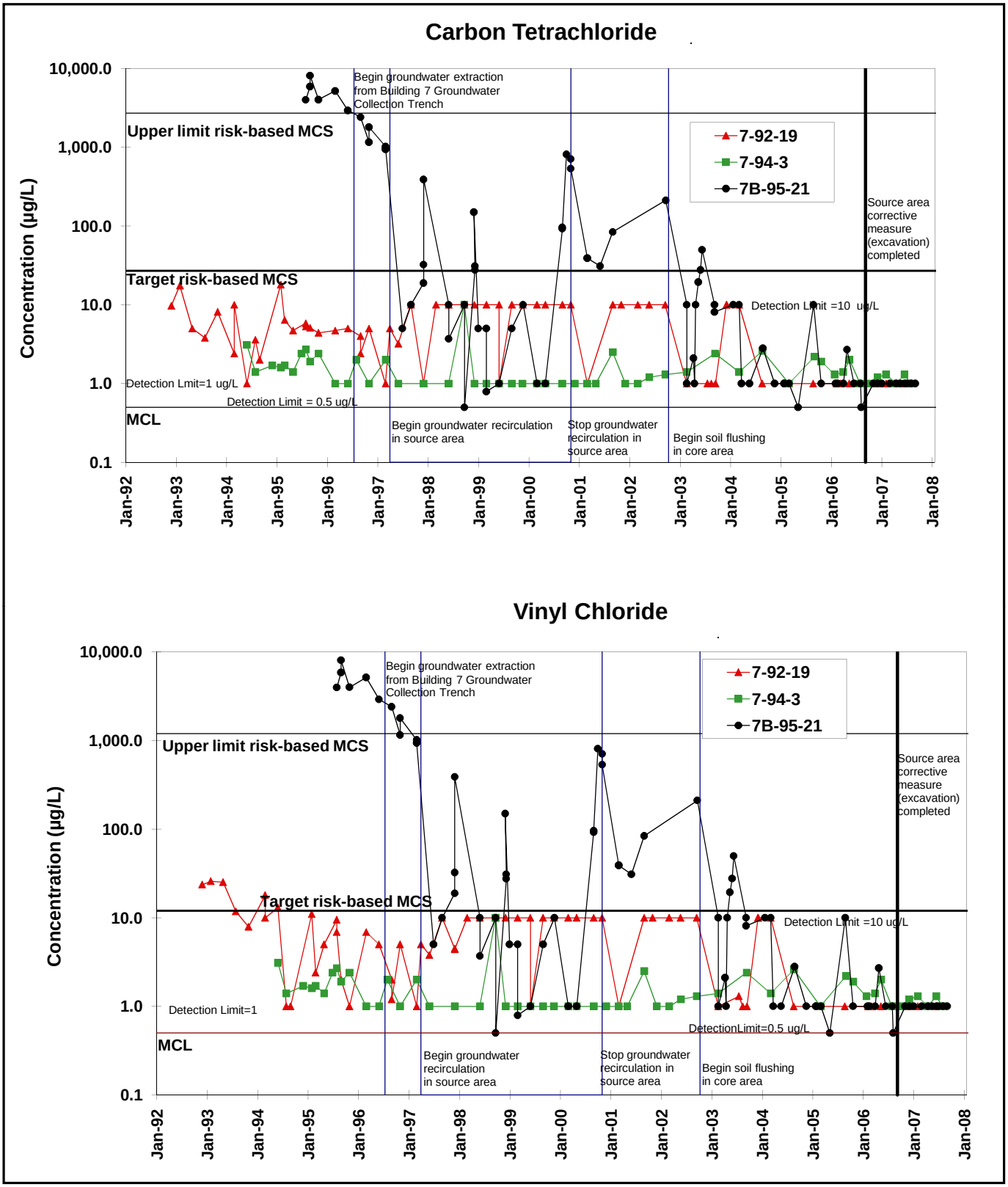



**Figure 37b. Concentration Trends for VOCs, Building 7 Lobe Source Area.**

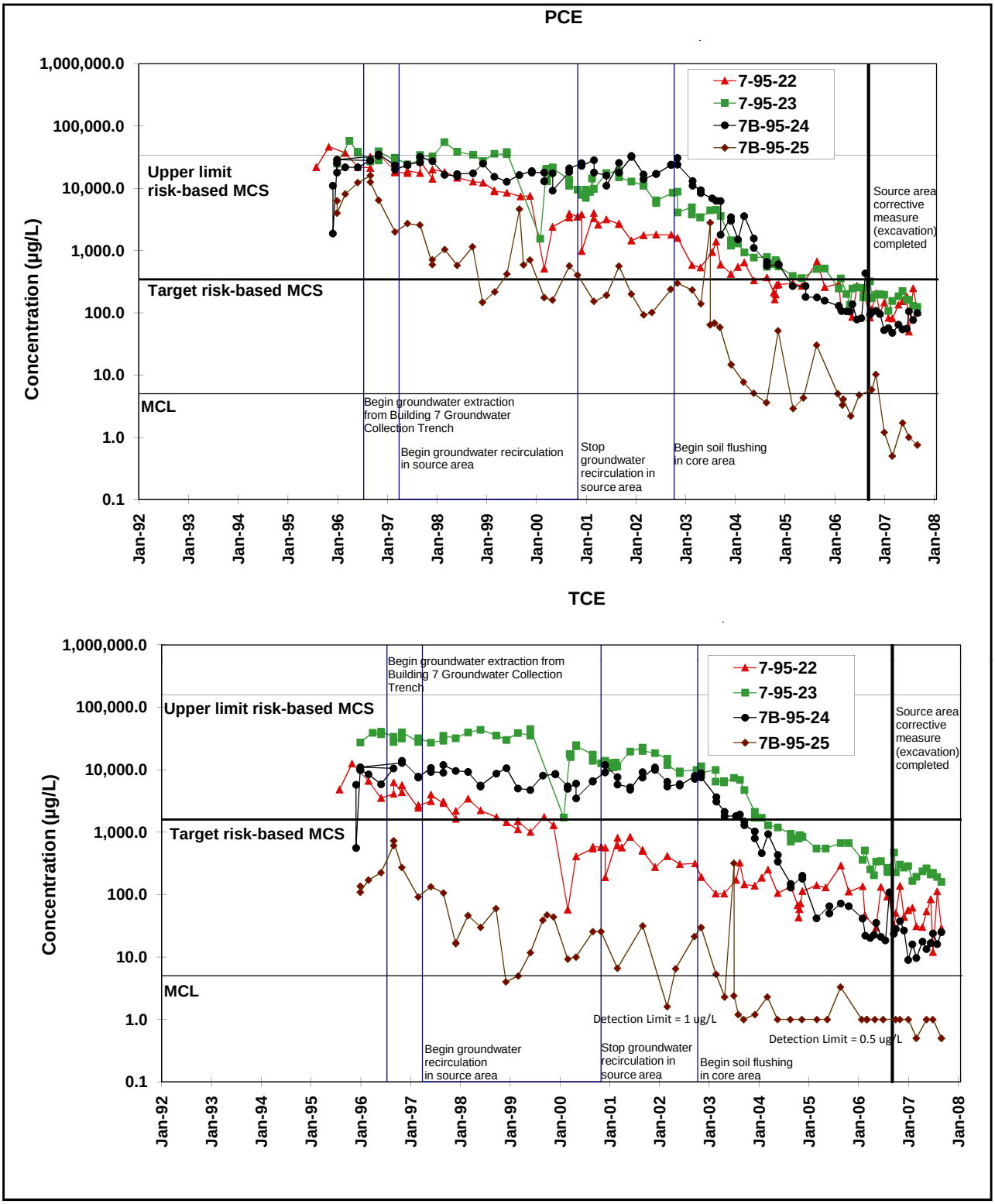



**Figure 38a. Concentration Trends for VOCs, Building 7 Lobe Upgradient Core Area.**

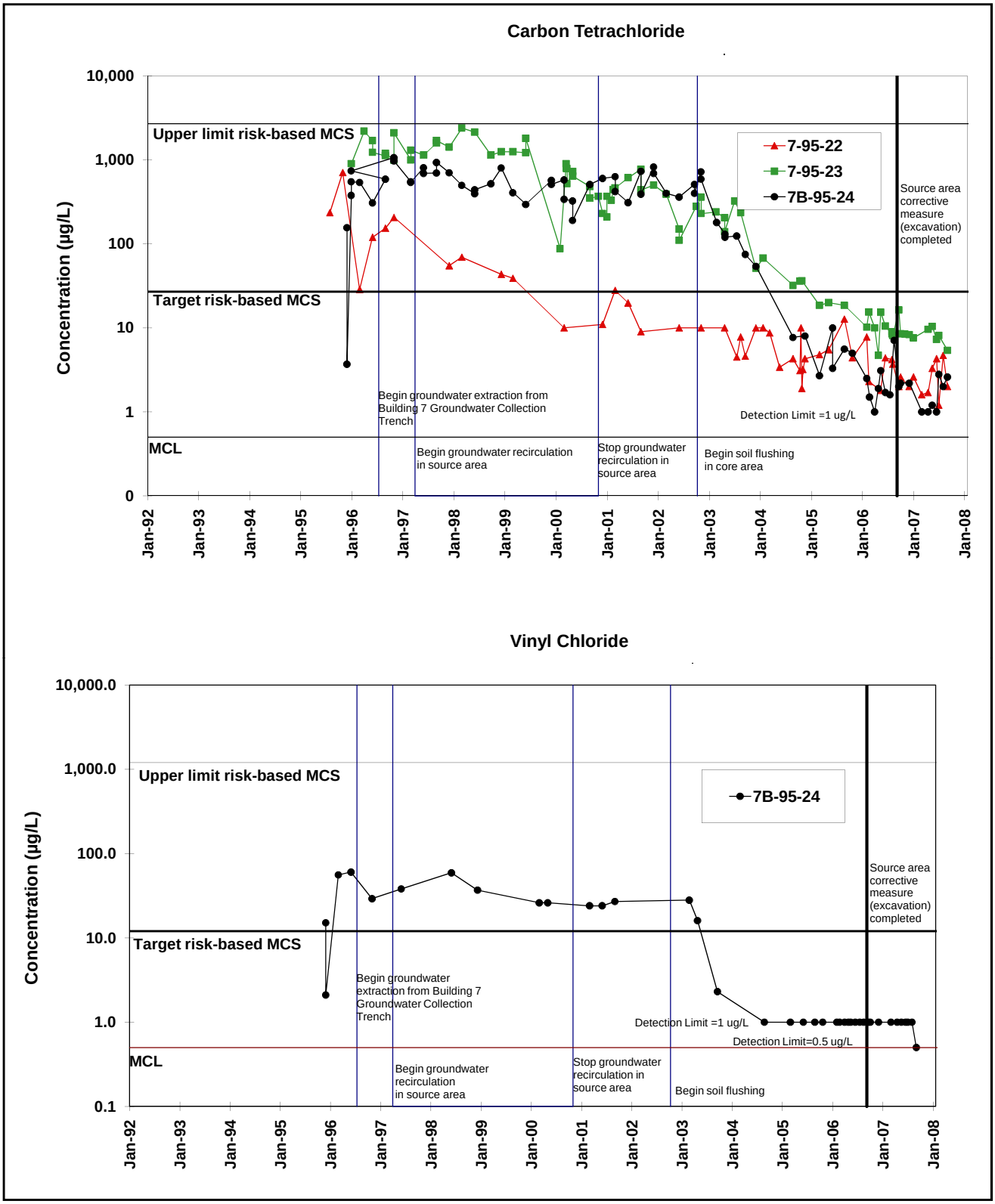



**Figure 38b. Concentration Trends for VOCs, Building 7 Lobe Upgradient Core Area.**

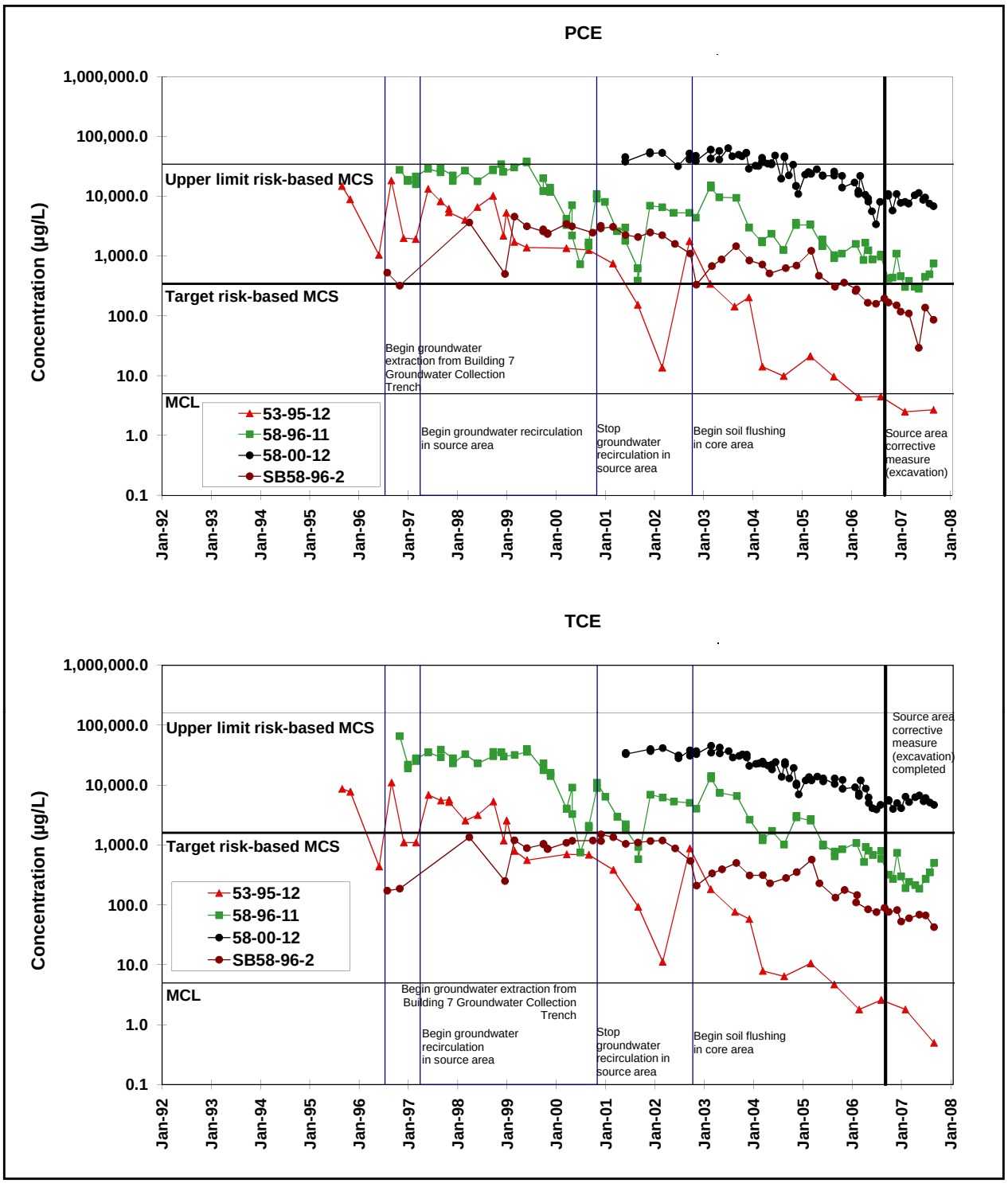



**Figure 39a. Concentration Trends for VOCs, Building 7 Lobe Downgradient Core Area.**

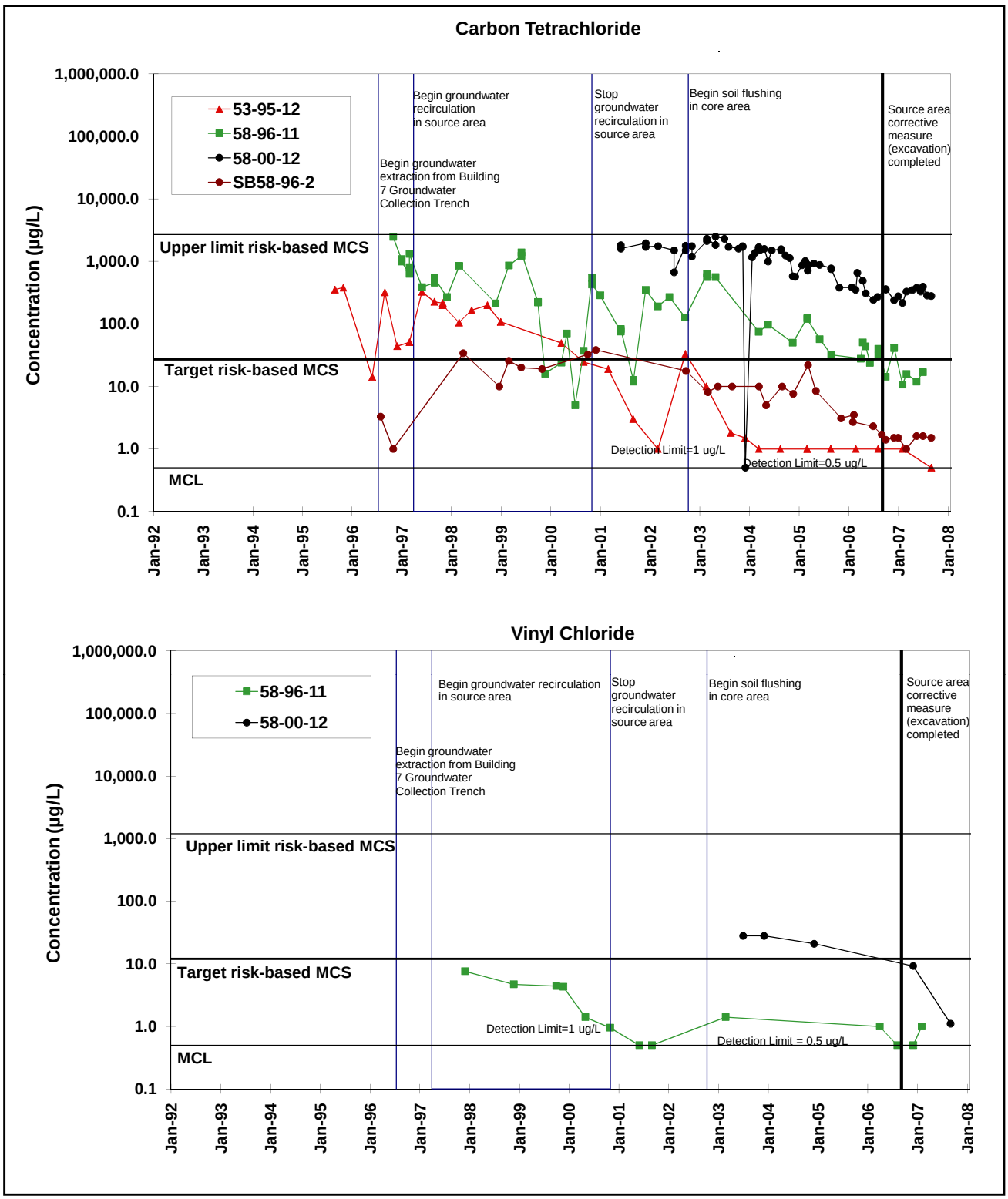



**Figure 39b. Concentration Trends for VOCs, Building 7 Lobe Downgradient Core Area.**

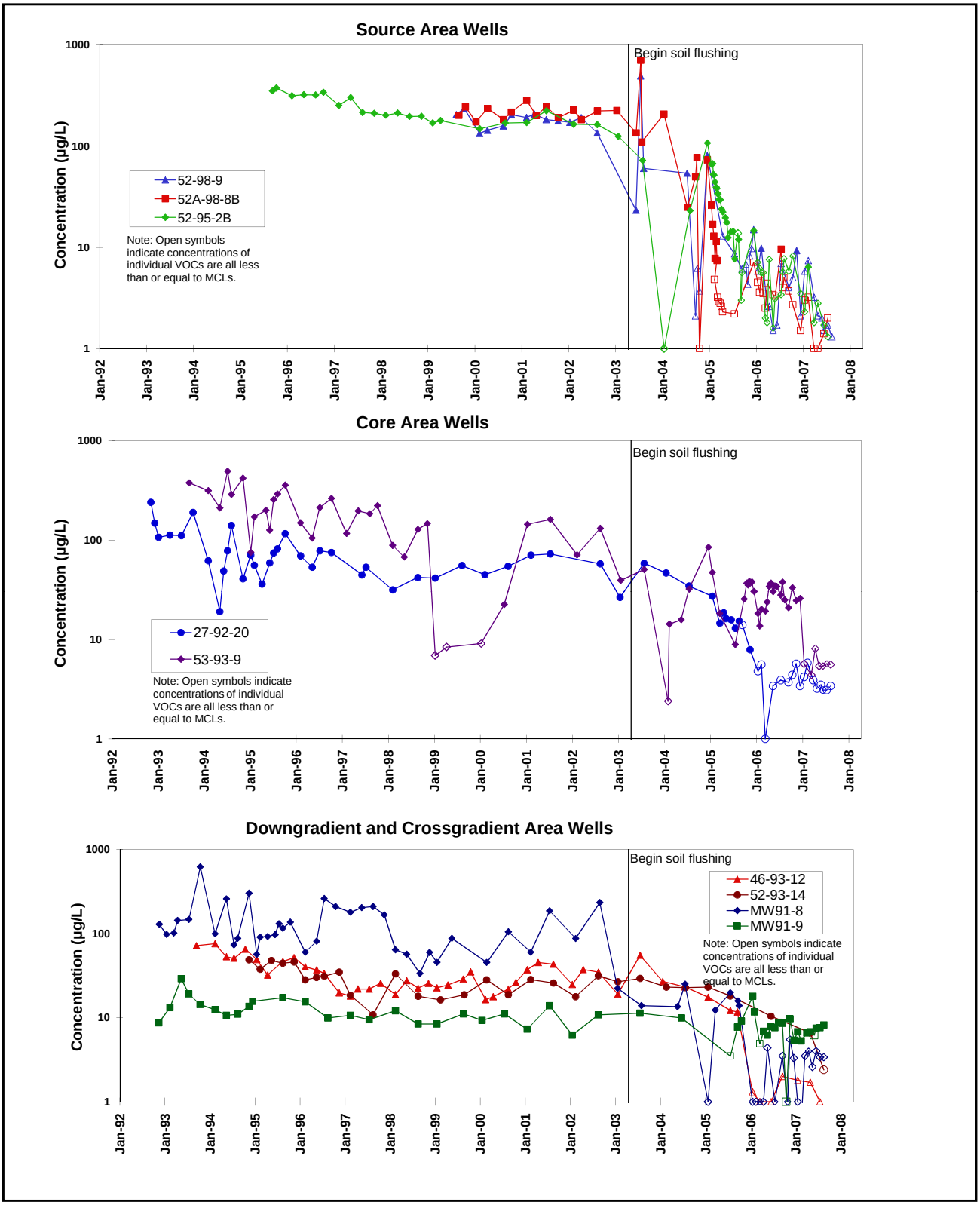



**Figure 40. Concentration Trends for Total VOCs, Building 52 Lobe Old Town Groundwater Solvent Plume.**

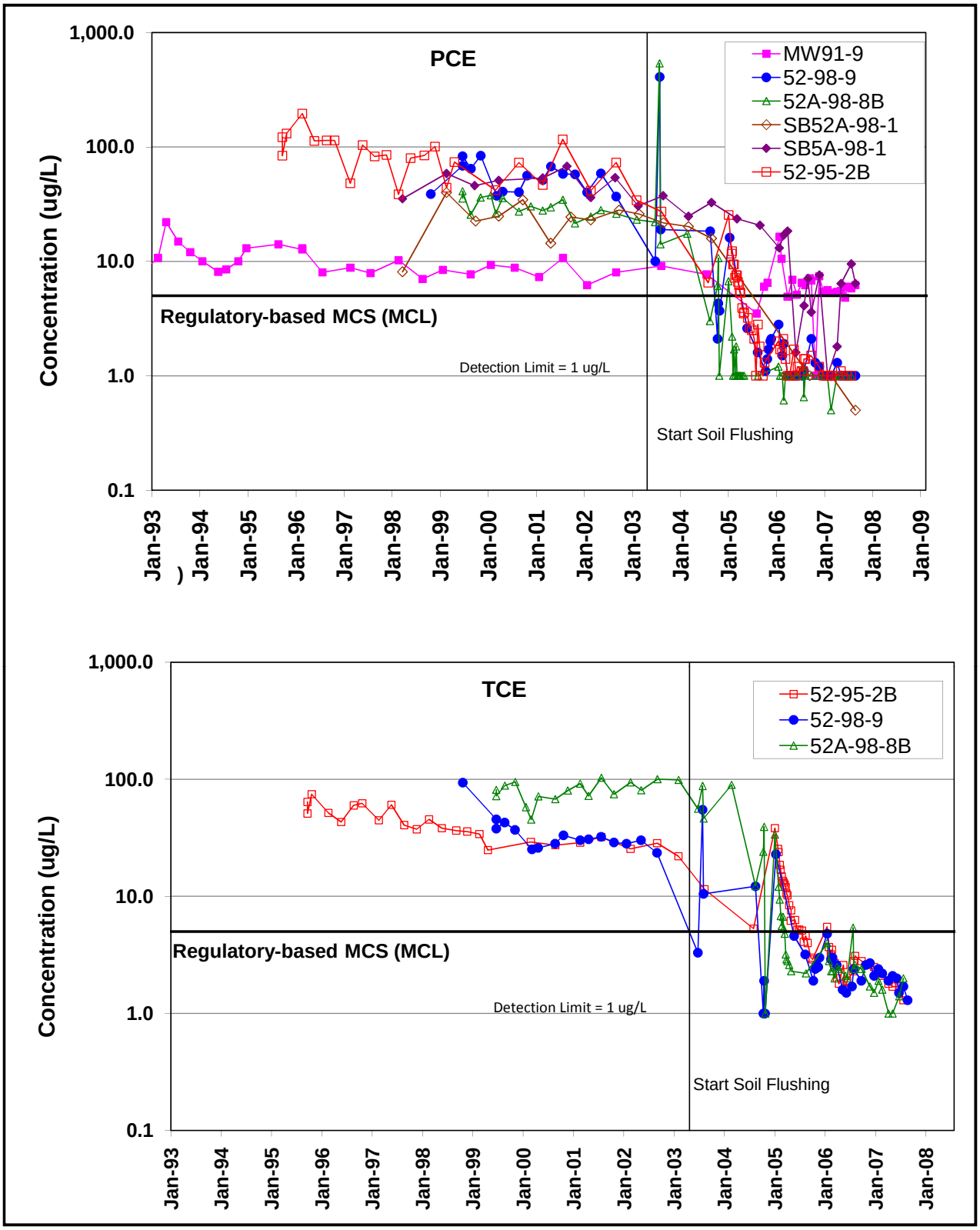



**Figure 41a.** **Concentration Trends for VOCs, Building 52 Lobe Source Area.**

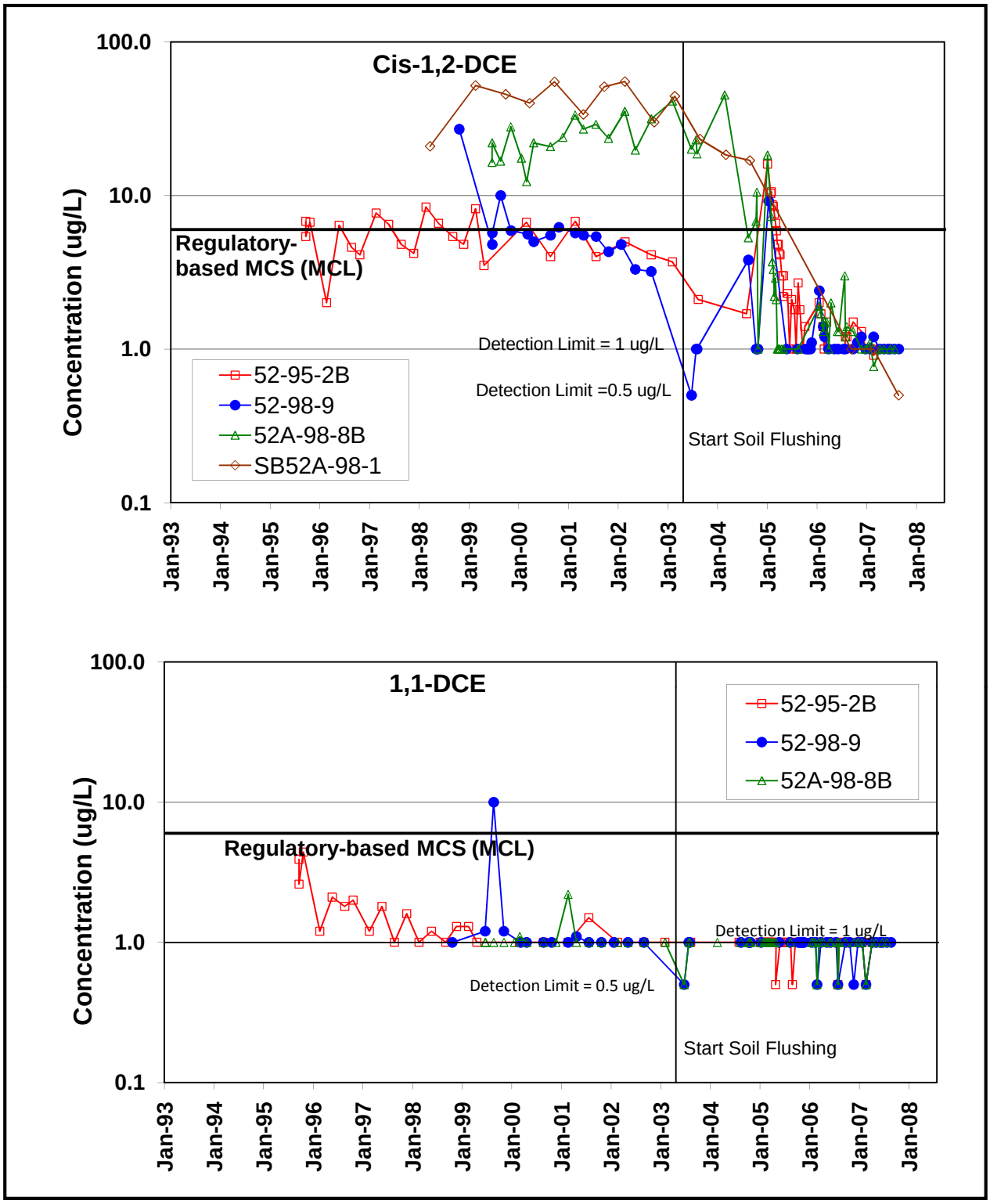



**Figure 41b.** **Concentration Trends for VOCs, Building 52 Lobe Source Area.**

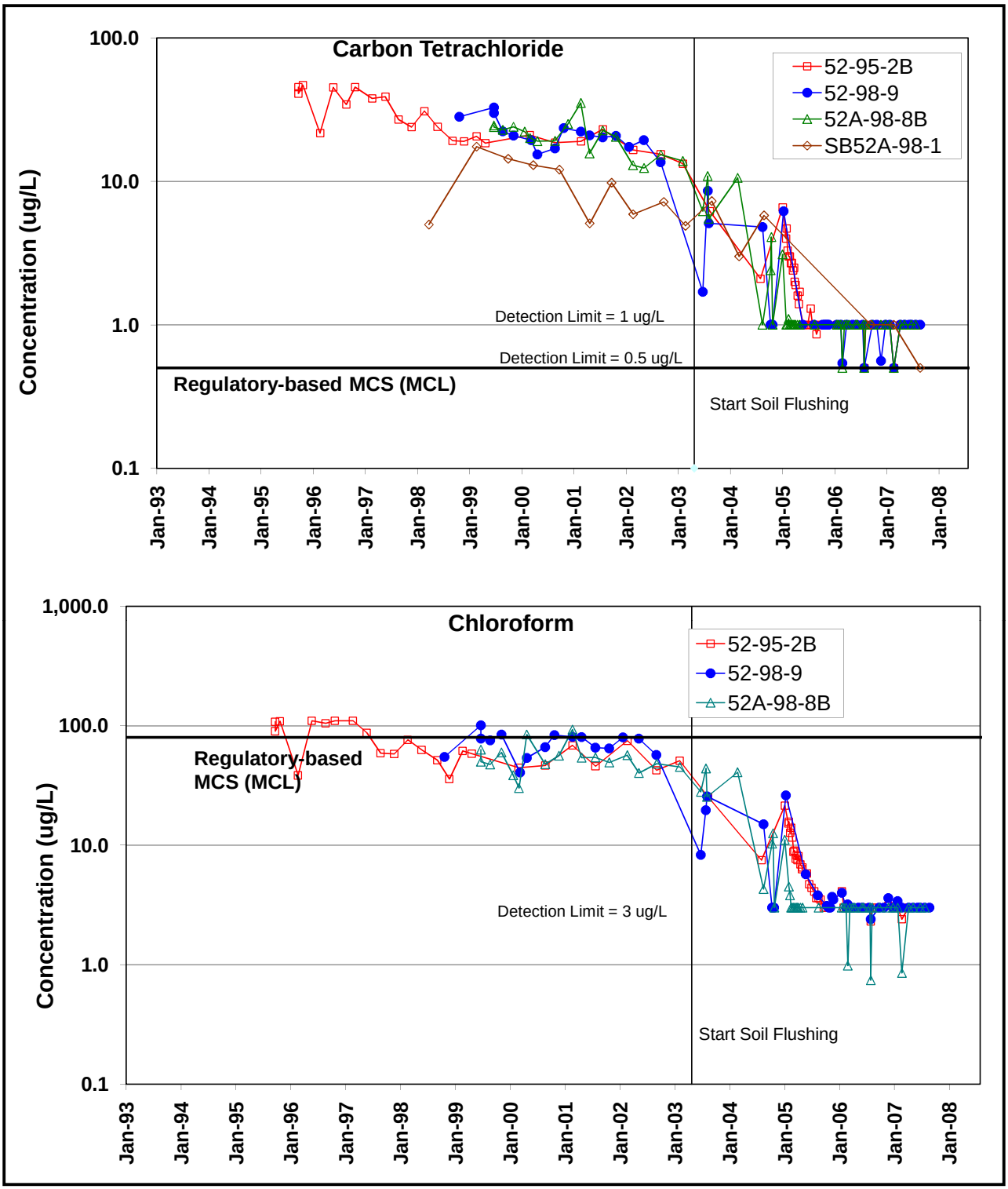



**Figure 41c. Concentration Trends for VOCs, Building 52 Lobe Source Area.**

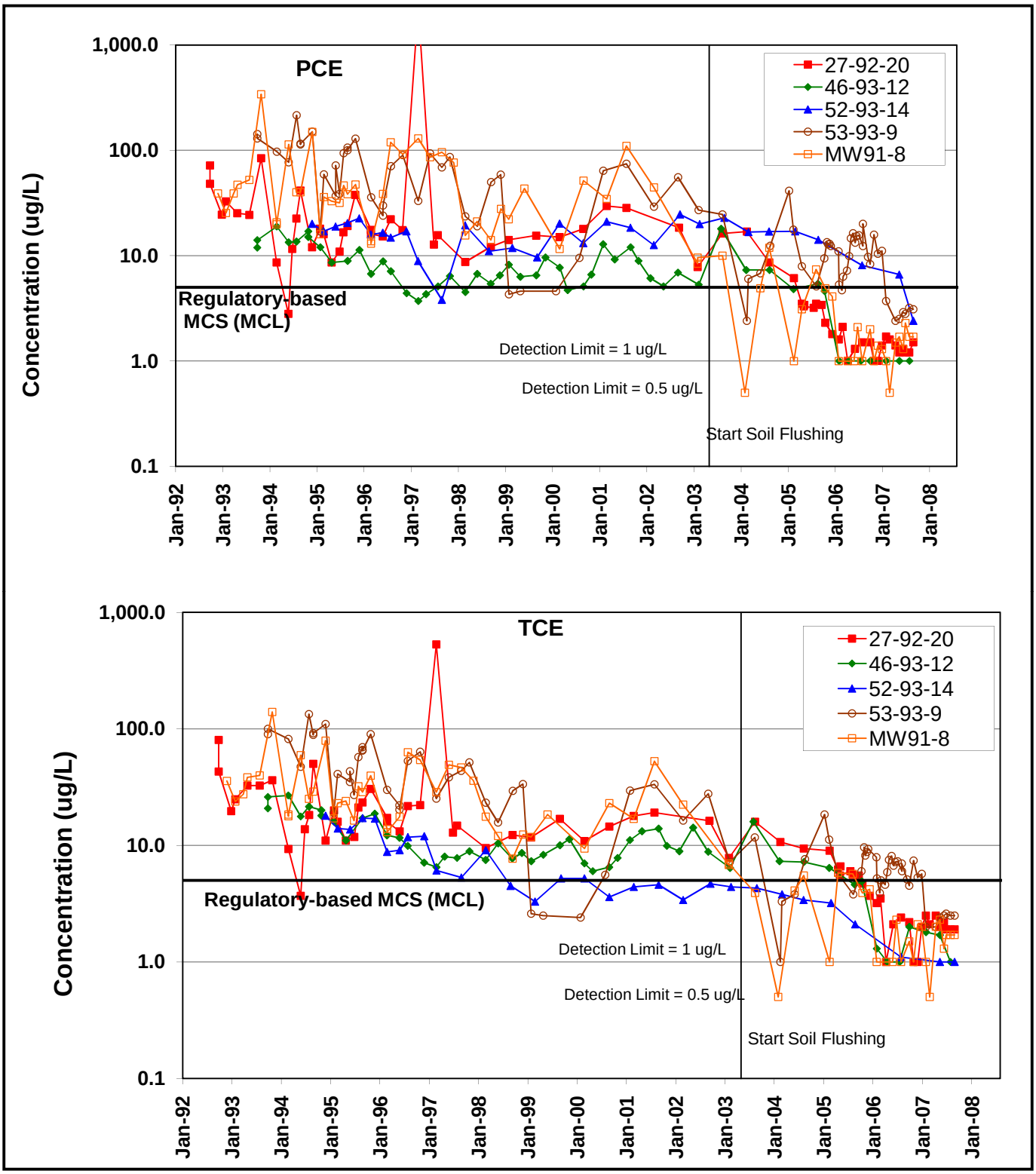



**Figure 42a.** **Concentration Trends for VOCs, Building 52 Lobe Downgradient Area.**

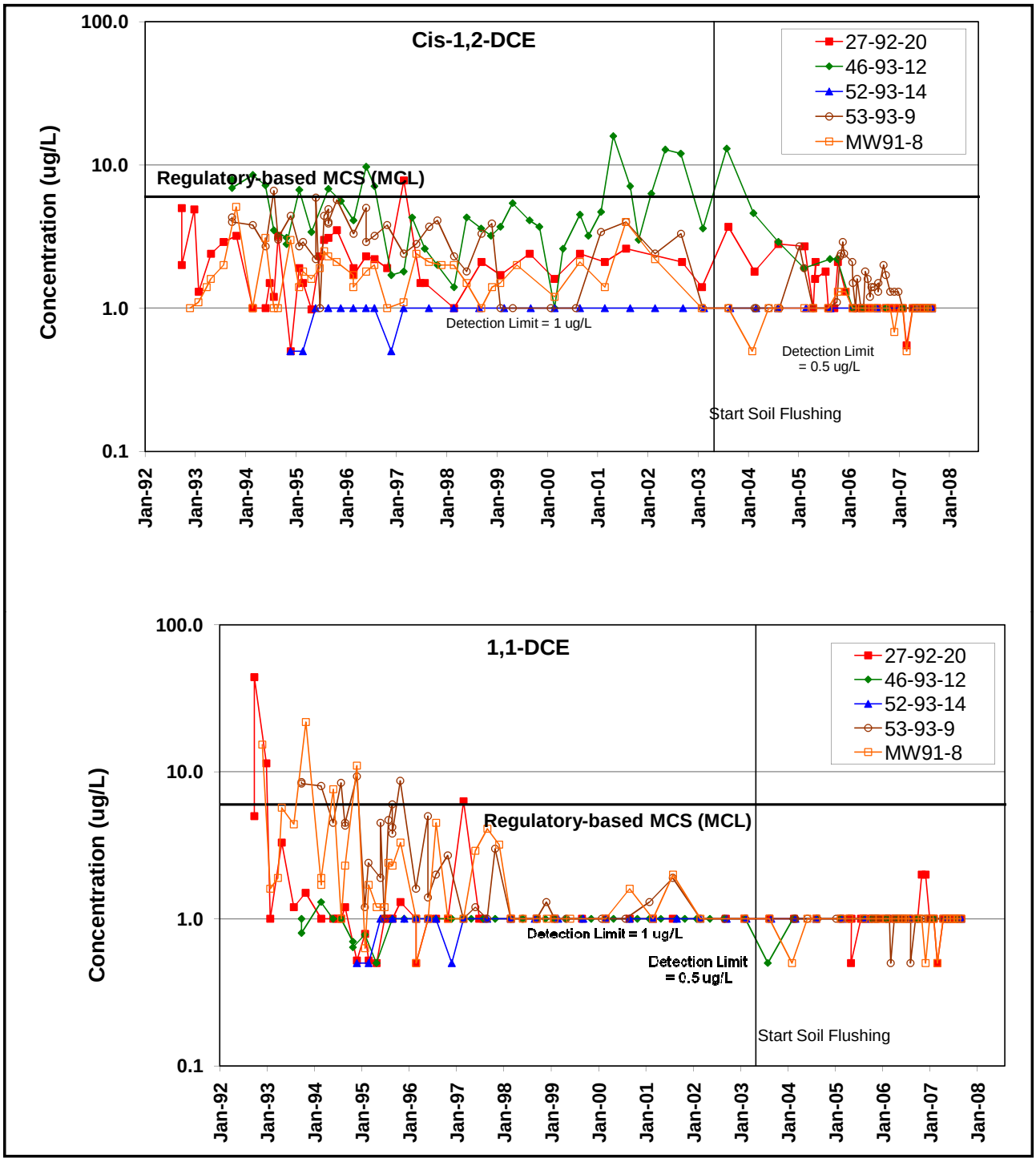



**Figure 42b. Concentration Trends for VOCs, Building 52 Lobe Downgradient Area.**

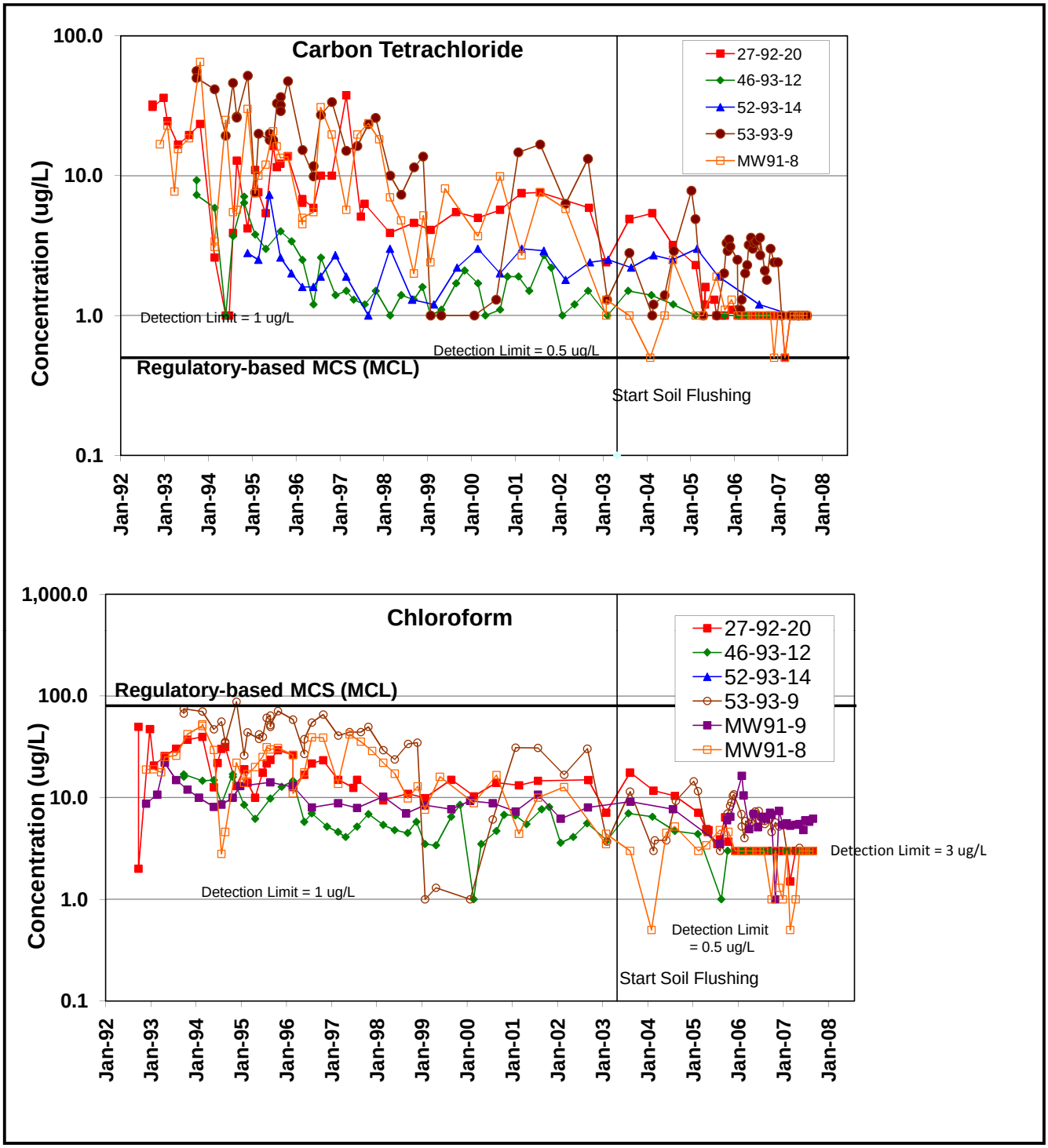



**Figure 42c.** **Concentration Trends for VOCs, Building 52 Lobe Downgradient Area.**

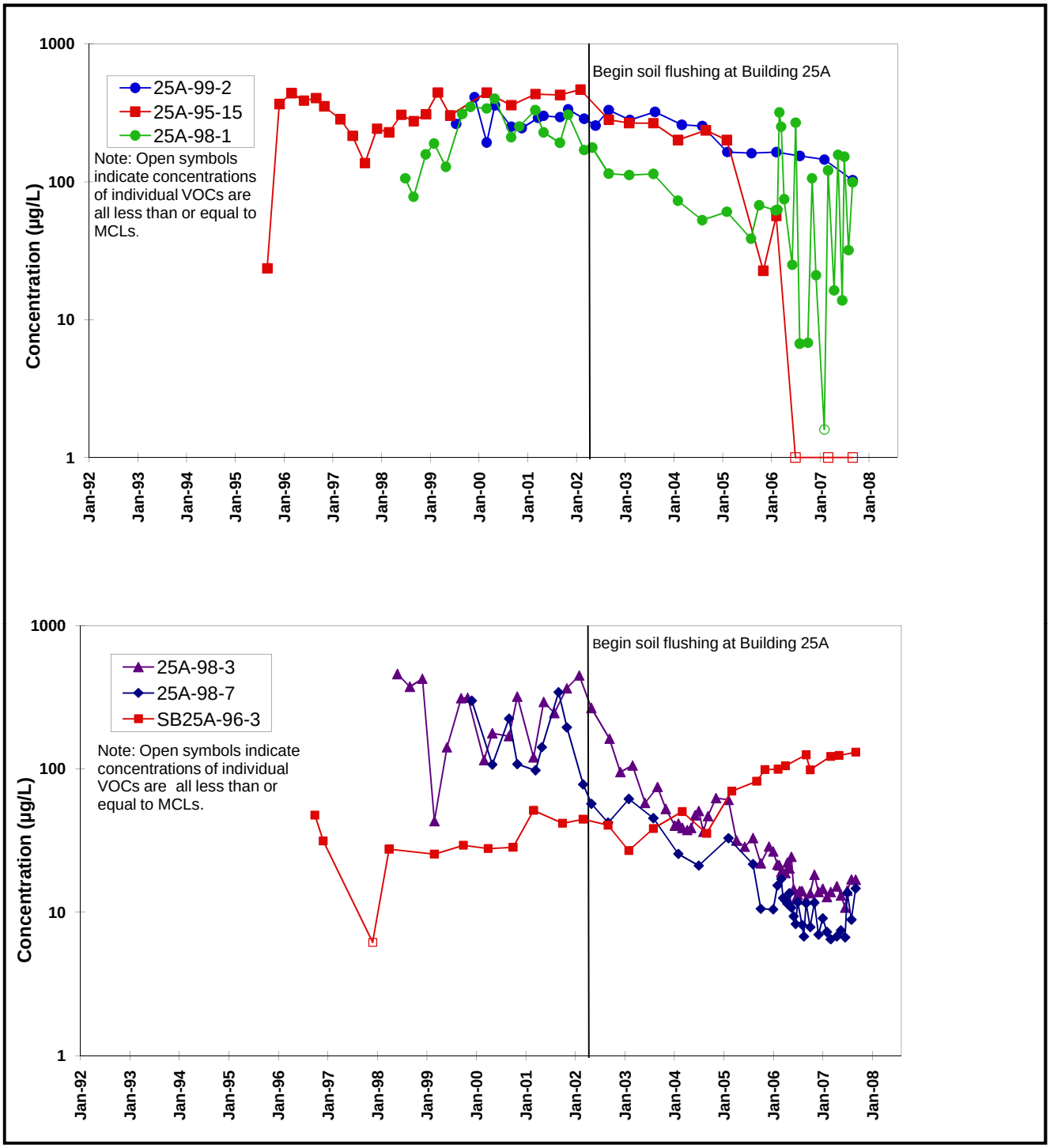



**Figure 43a. Concentration Trends for Total VOCs, Old Town Groundwater Solvent Plume Building 25A Lobe Source Area.**

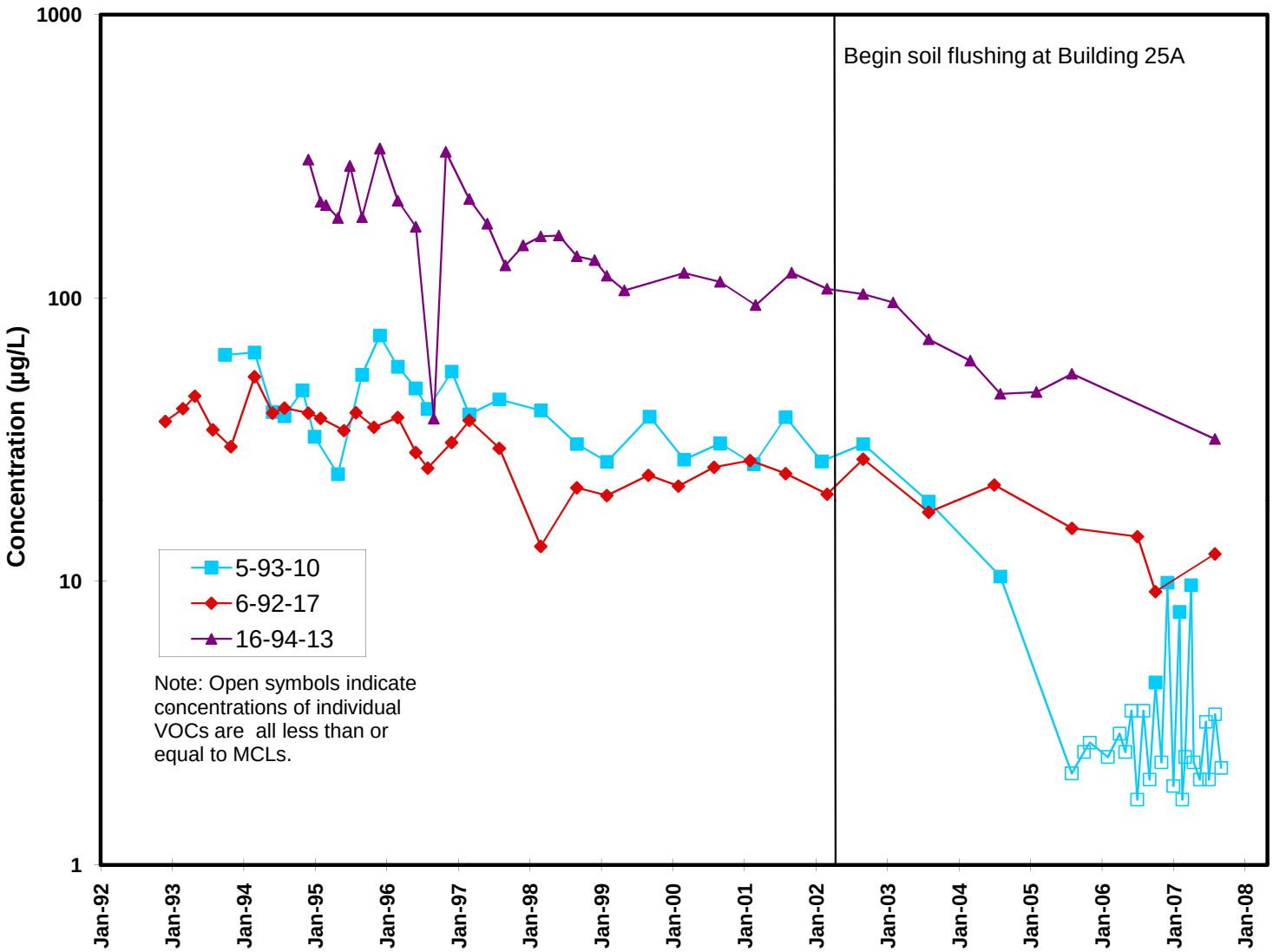



**Figure 43b. Concentration Trends for Total VOCs, Old Town Groundwater Solvent Plume Building 25A Lobe Downgradient Area.**

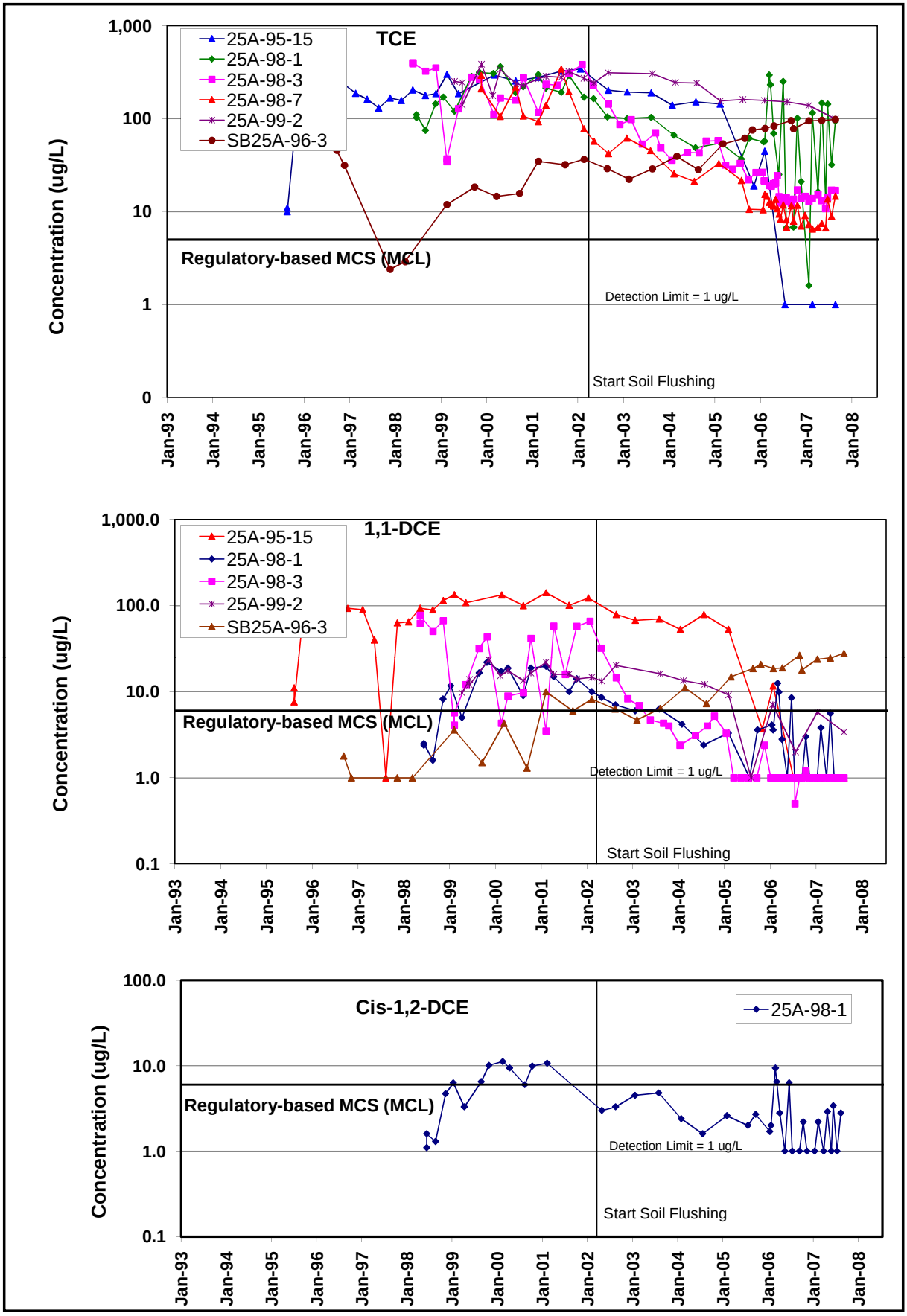
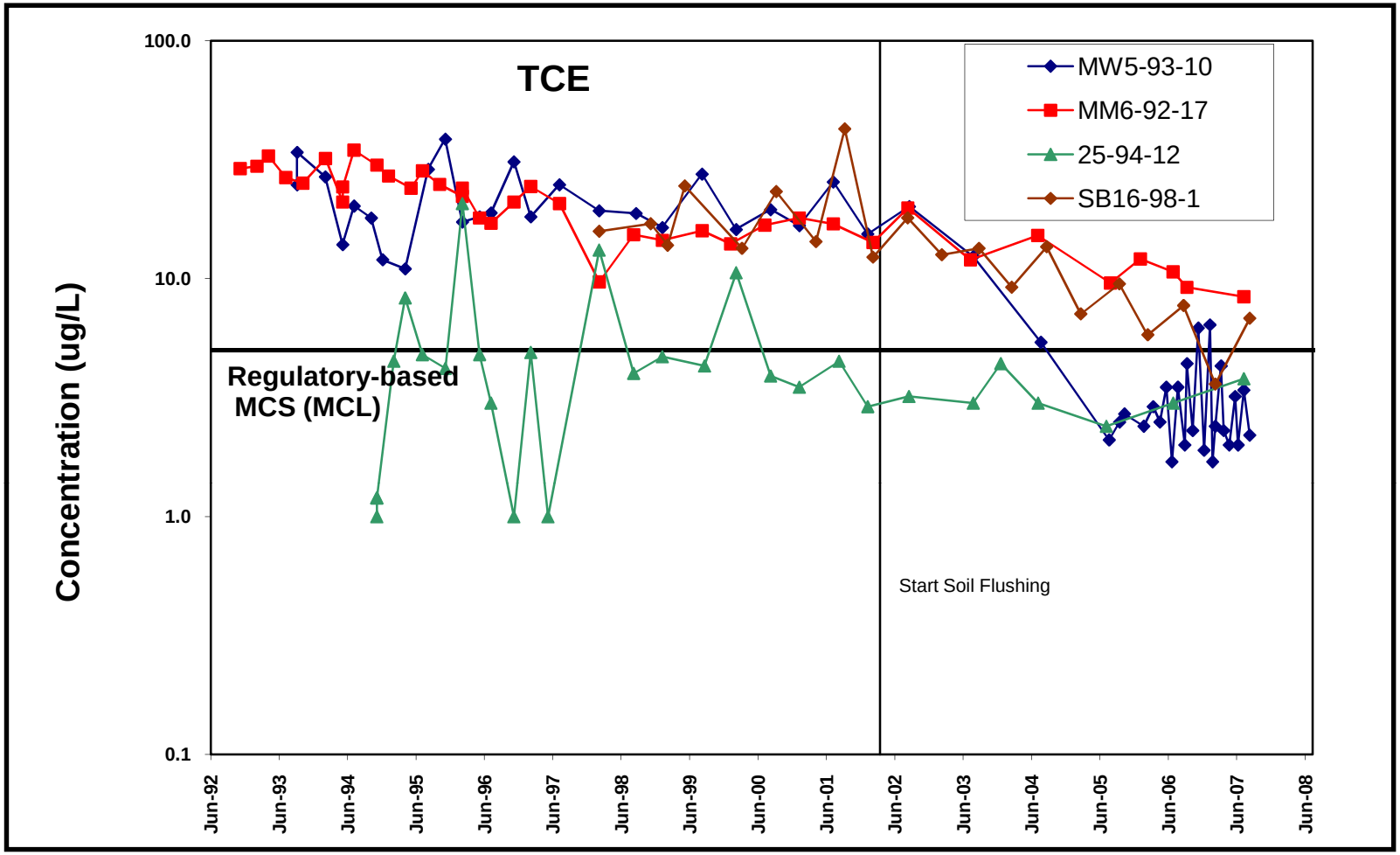



**Figure 44a.** **Concentration Trends for VOCs, Building 25A Lobe Building 25A Subplume Source Area (West of Building 25A).**

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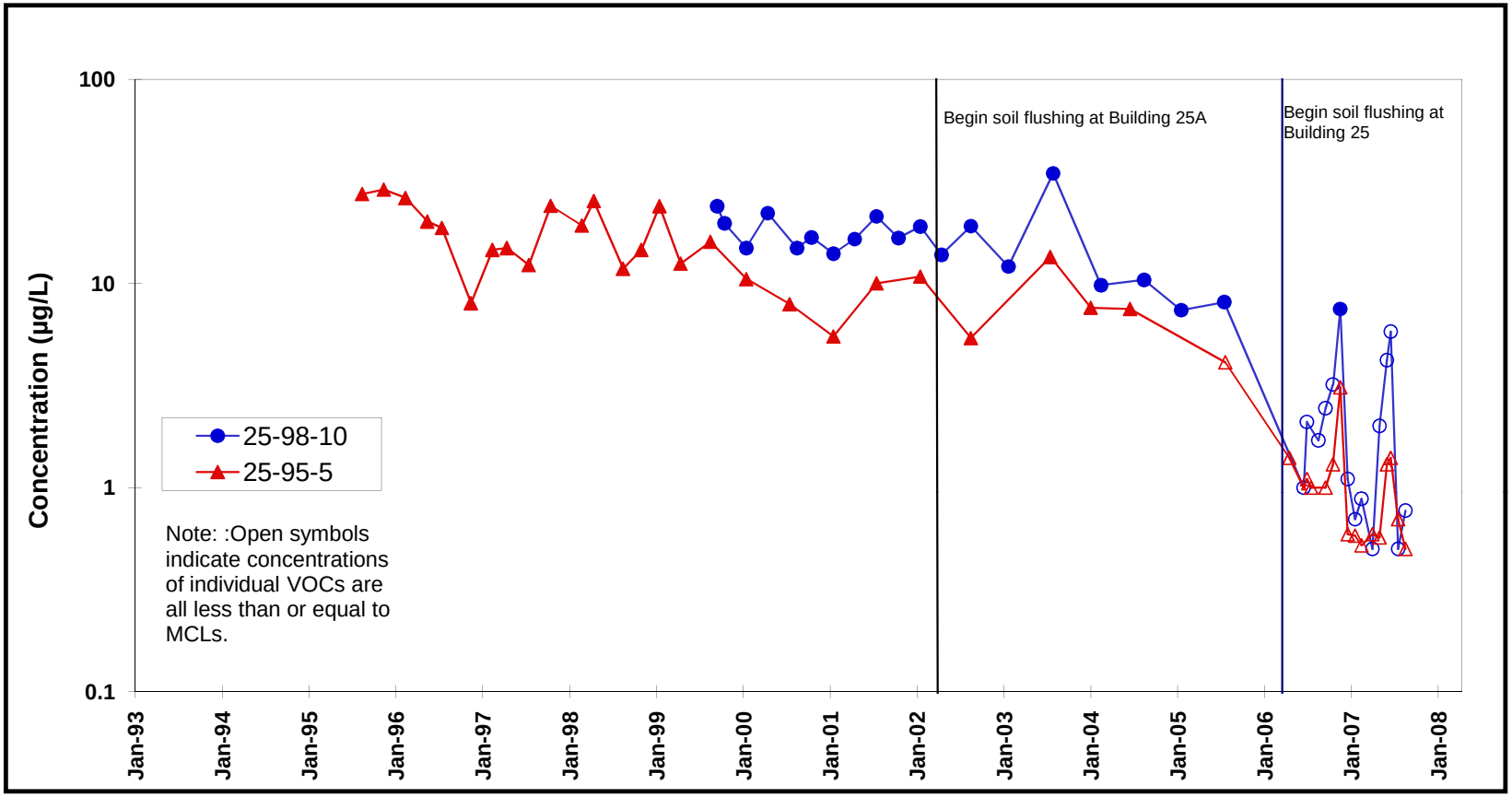


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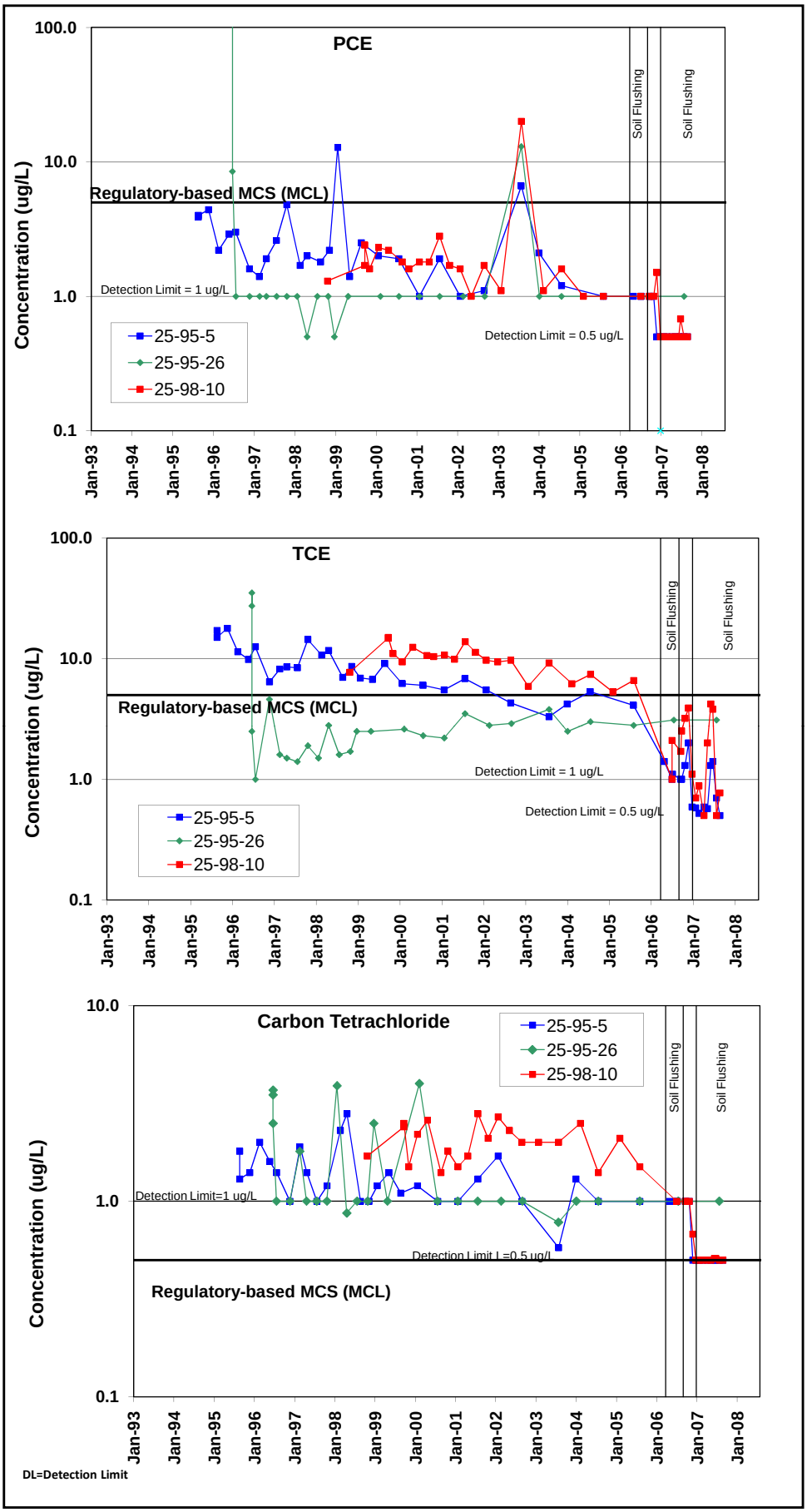


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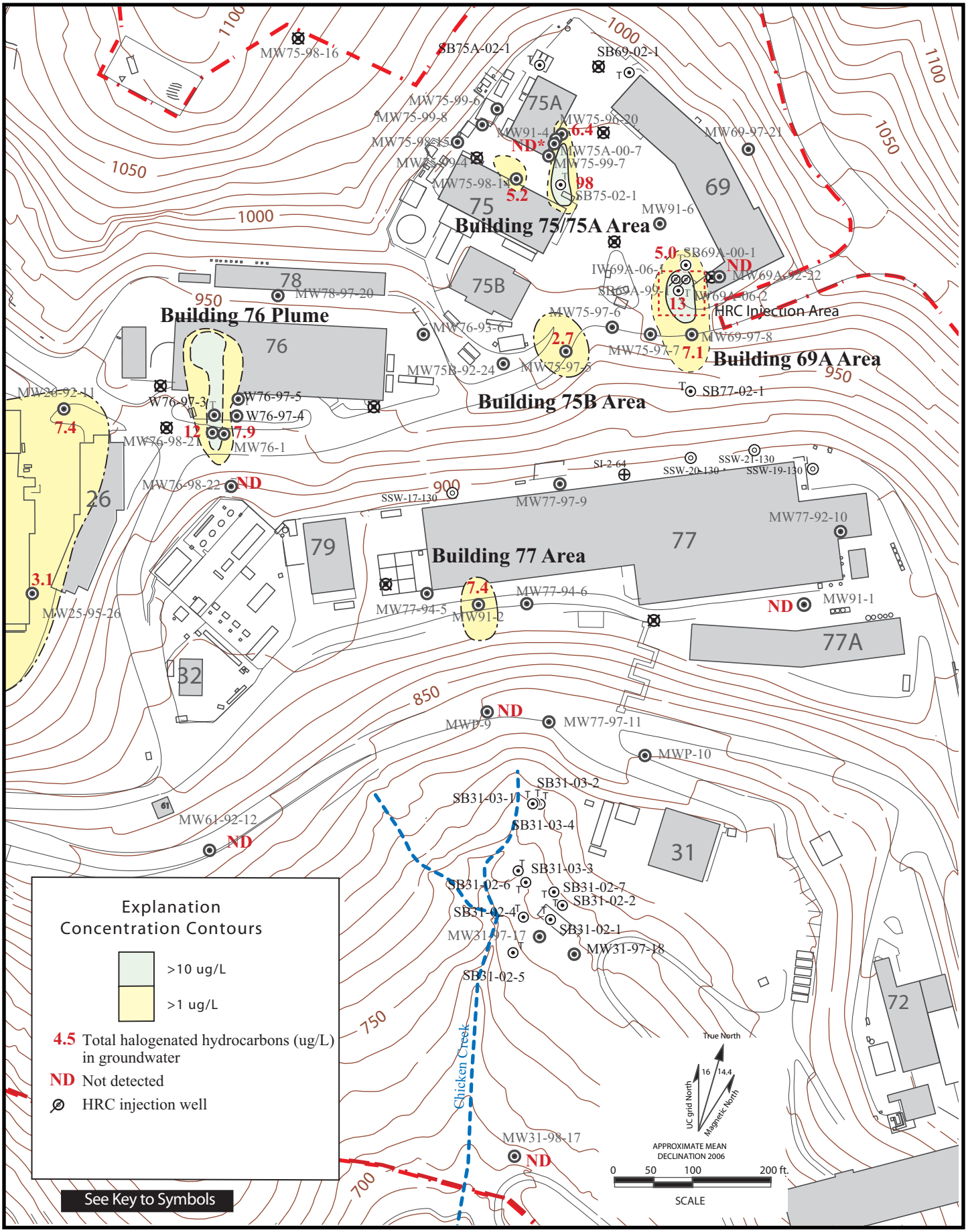


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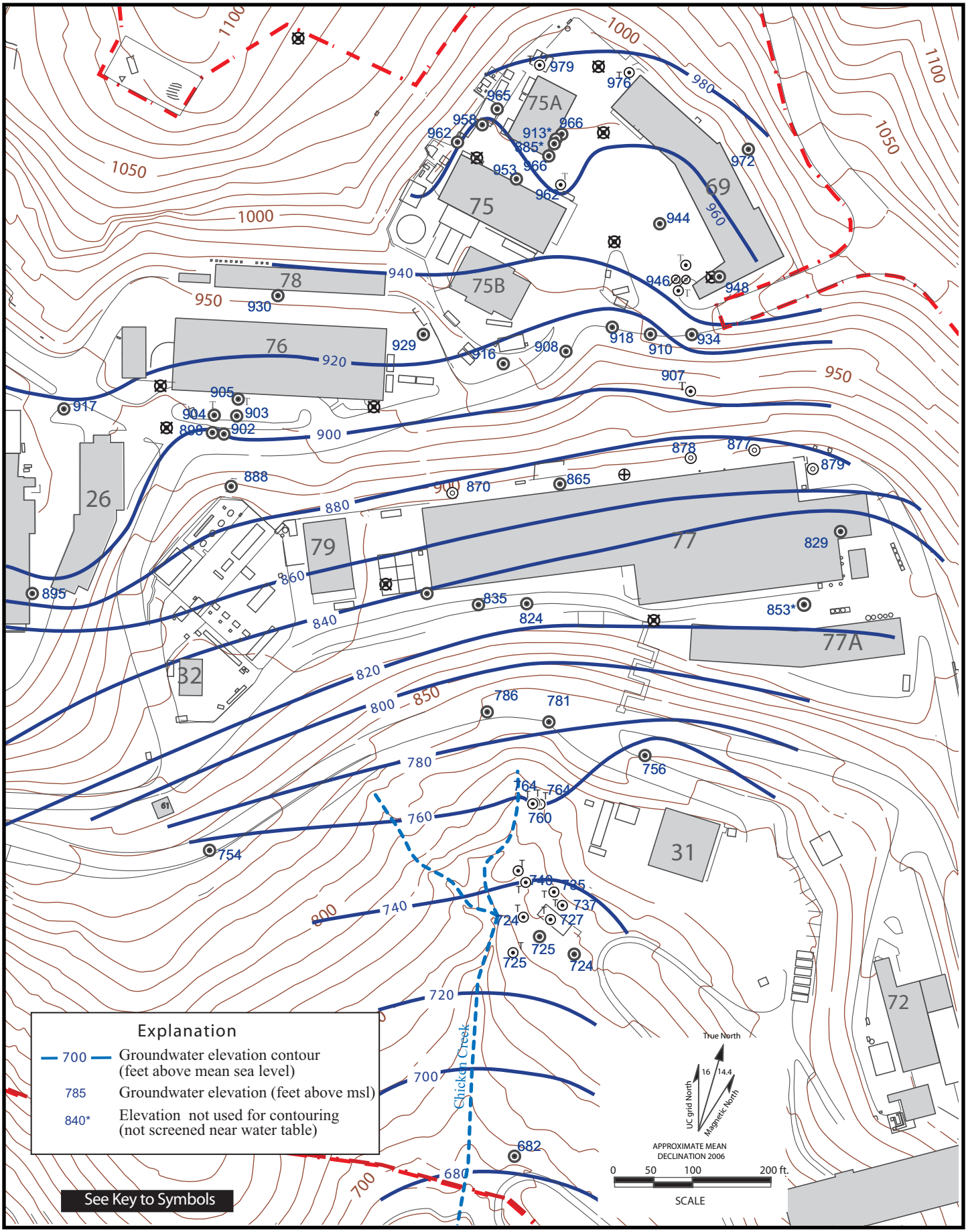


**Figure 48. Water Level Elevation Map of the Support Services Area, Fourth Quarter FY07.**

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12/07

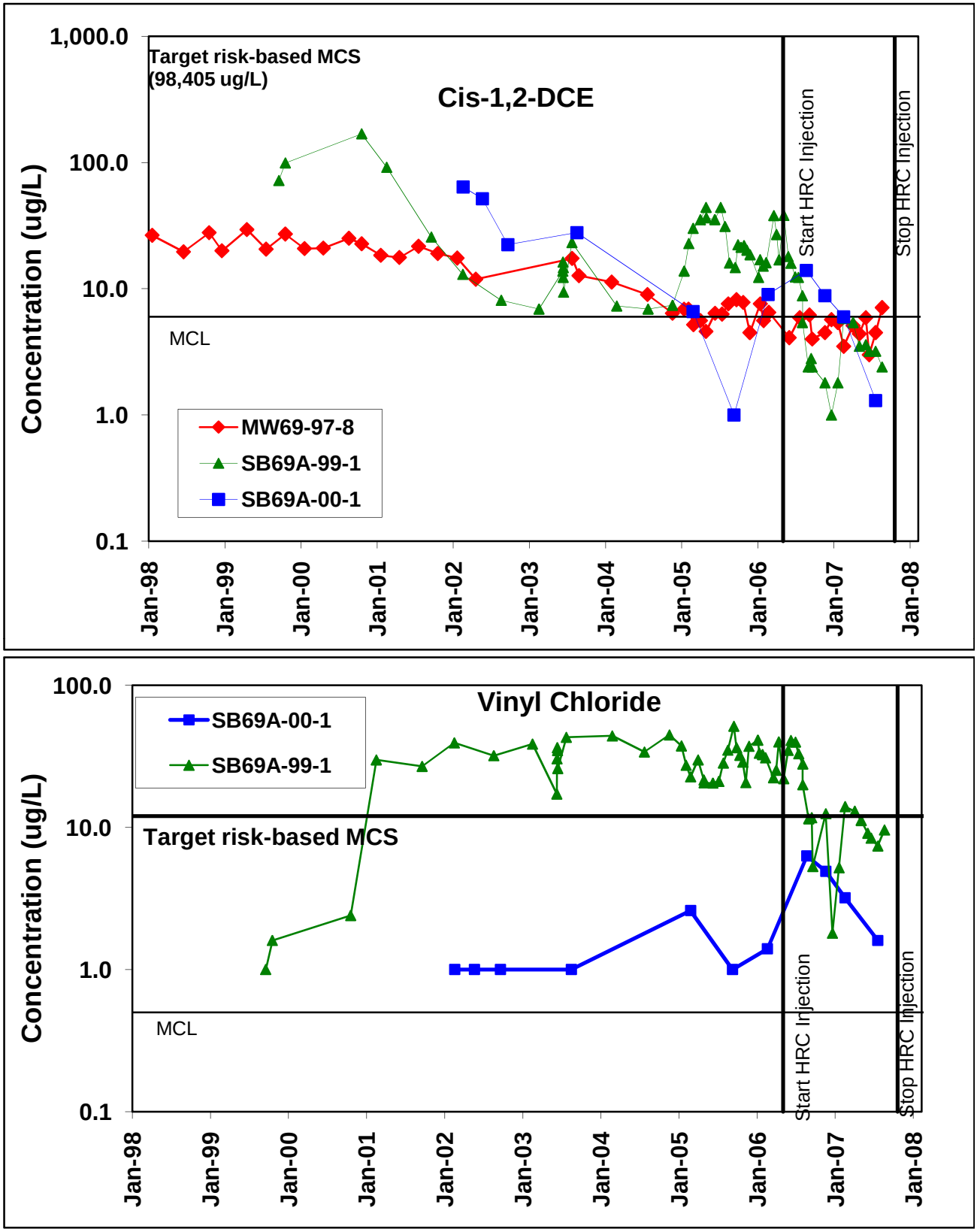
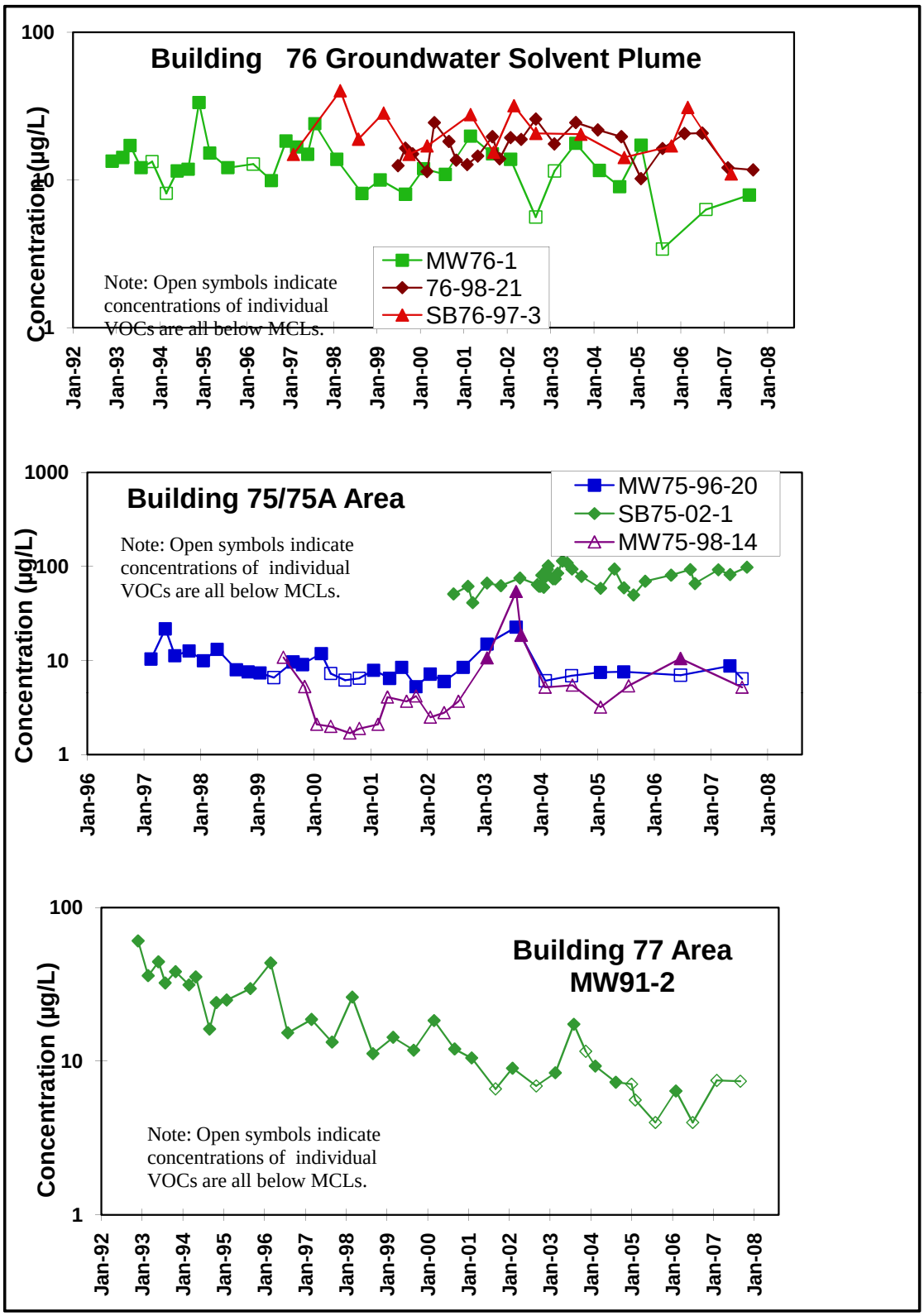



**Figure 49.** **Concentration Trends for VOCs, Building 69A Area of Groundwater Contamination.**

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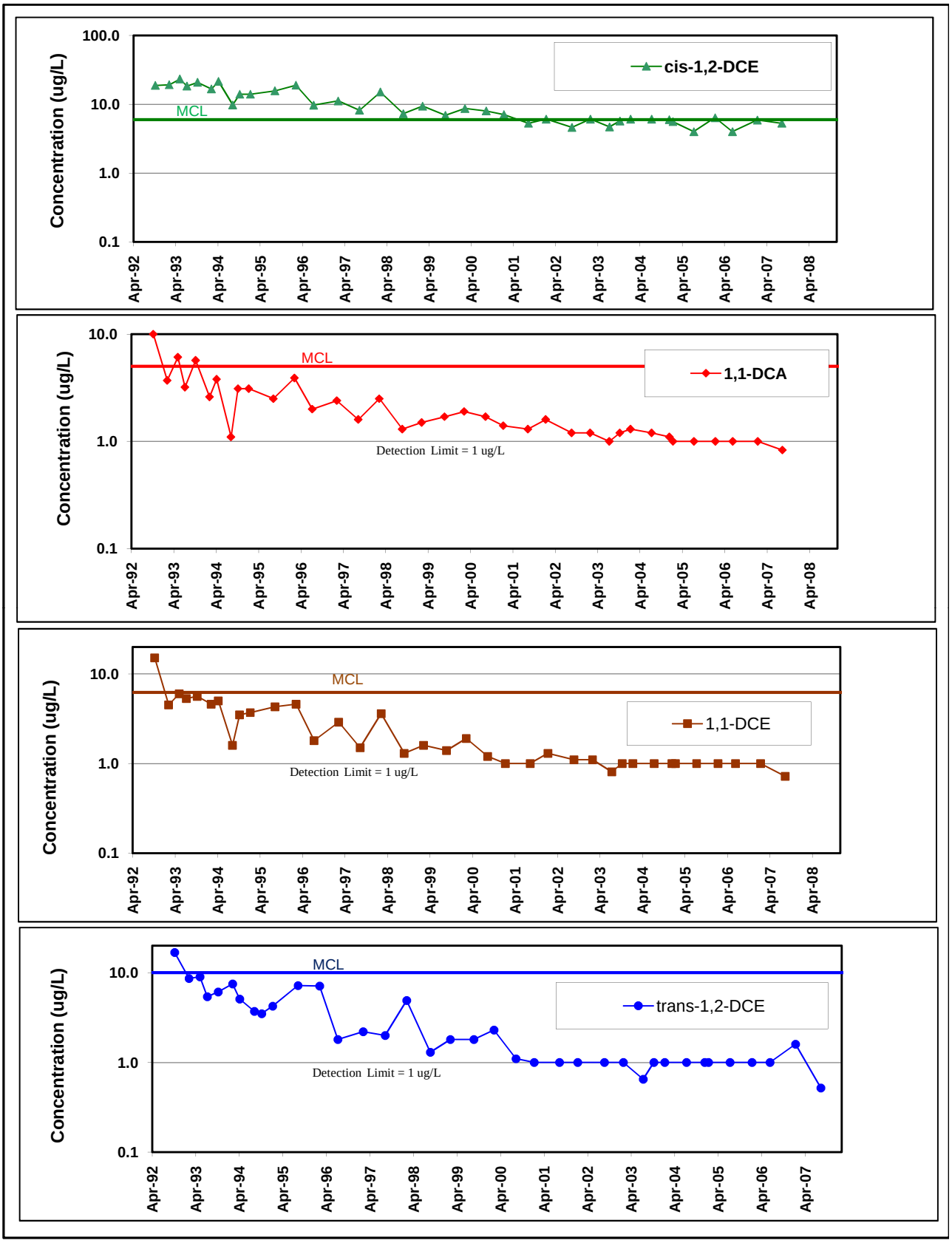


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# Table 1
# EPA Method 8260 Quantitation Limits for Soil and Groundwater Samples
## 4th Quarter FY 2007

| | Water Samples µg/L | | Soil samples mg/kg |
|---|---|---|---|
| Compound | LBNL EML | BC Laboratories | BC Laboratories |
| Benzene | 1.0 | 0.5 | 0.005 |
| Bromobenzene | 1.0 | | |
| Bromochloromethane | 2.0 | | |
| Bromodichloromethane | 1.0 | 0.5 | 0.005 |
| Bromoform | 2.0 | 0.5 | 0.005 |
| Bromomethane | 10.0 | 0.5 | 0.005 |
| n-Butylbenzene | 1.0 | | |
| sec-Butylbenzene | 1.0 | | |
| tert-Butylbenzene | 1.0 | | |
| Carbon Tetrachloride | 1.0 | 0.5 | 0.005 |
| Chlorobenzene | 1.0 | 0.5 | 0.005 |
| Chlorodifluoromethane (Freon-22) | 30.0 | | |
| Chloroethane | 30.0 | 0.5 | 0.005 |
| Chloroform | 3.0 | 0.5 | 0.005 |
| Chloromethane | 10.0 | 0.5 | 0.005 |
| 2-Chlorotoluene | 2.0 | | |
| 4-Chlorotoluene | 2.0 | | |
| Dibromochloromethane | 2.0 | 0.5 | 0.005 |
| 1,2-Dibromo-3-chloropropane | 2.0 | 1 | 0.005 |
| 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 | 0.005 |
| 1,1-Dichloroethane | 1.0 | 0.5 | 0.005 |
| 1,2-Dichloroethane | 2.0 | 0.5 | 0.005 |
| 1,1-Dichloroethene | 1.0 | 0.5 | 0.005 |
| cis-1,2-Dichloroethene | 1.0 | 0.5 | 0.005 |
| trans-1,2-Dichloroethene | 1.0 | 0.5 | 0.005 |
| Dichlorofluoromethane (Freon-21) | 3.0 | | |
| 1,2-Dichloropropane | 1.0 | 0.5 | 0.005 |
| 1,3-Dichloropropane | 1.0 | | |
| 2,2-Dichloropropane | 1.0 | | |
| 1,1-Dichloropropene | 1.0 | | |
| cis-1,3-Dichloropropene | 1.0 | 0.5 | 0.005 |
| trans-1,3-Dichloropropene | 1.0 | 0.5 | 0.005 |
| 1,2-Dichlorotetrafluoroethane (Freon-114) | 3.0 | | |
| Dichlorotrifluoroethane (Freon-123) | 1.0 | | |
| 1,2-Dichlorotrifluoroethane (Freon-123A) | 1.0 | | |
| Ethylbenzene | 1.0 | 0.5 | 0.005 |
| Hexachlorobutadiene | 3.0 | | |
| Isopropylbenzene | 2.0 | | |

# Table 1 (Cont'd)
# EPA Method 8260 Quantitation Limits
# for Soil and Groundwater Samples
## 4th Quarter FY 2007

| | Water Samples µg/L | | Soil samples mg/kg |
|---|---|---|---|
| Compound | LBNL EML | BC Laboratories | BC Laboratories |
| p-Isopropyltoluene | 1.0 | | |
| Methylene Chloride | 1.0 | 1 | 0.01 |
| Methyl tert-Butyl Ether | 5.0 | | |
| Naphthalene | 2.0 | | |
| n-Propylbenzene | 1.0 | | |
| Styrene | 1.0 | 0.5 | 0.005 |
| 1,1,2,2-Tetrachloroethane | 1.0 | 0.5 | 0.005 |
| 1,1,1,2-Tetrachloroethane | 2.0 | 0.5 | 0.005 |
| Tetrachloroethene | 1.0 | 0.5 | 0.005 |
| Toluene | 1.0 | 0.5 | 0.005 |
| 1,2,3-Trichlorobenzene | 2.0 | | |
| 1,2,4-Trichlorobenzene | 1.0 | | |
| 1,1,1-Trichloroethane | 1.0 | 0.5 | 0.005 |
| 1,1,2-Trichloroethane | 1.0 | 0.5 | 0.005 |
| Trichloroethene | 1.0 | 0.5 | 0.005 |
| Trichlorofluoromethane (Freon-11) | 2.0 | 0.5 | |
| 1,2,3-Trichloropropane | 1.0 | 1 | 0.005 |
| Trichlorotrifluoroethane (Freon-113) | 1.0 | 0.5 | 0.005 |
| 1,2,4-Trimethylbenzene | 1.0 | | |
| 1,3,5-Trimethylbenzene | 1.0 | | |
| Vinyl Chloride | 1.0 | 0.5 | 0.005 |
| Total-Xylene | 2.0 | 1 | 0.01 |
| Acetone | | 10 | 0.1 |
| Acetonitrile | | 100 | 0.1 |
| Acrolein | | 50 | 0.1 |
| Acrylonitrile | | 50 | 0.1 |
| Carbon DIsulfide | | 5 | 0.05 |
| 2-Chloroethyl vinyl ether | | 10 | |
| Chloroprene | | 5 | 0.05 |
| trans-1,4-Dichloro-2-butene | | 5 | 0.005 |
| 1,4-Dioxane | | 100 | |
| Ethanol | | 1000 | 10 |
| 2-Hexanone | | 10 | 0.005 |
| Methyl ethyl ketone | | 10 | 0.005 |
| Methyl isobutyl ketone | | 10 | 0.005 |
| Vinyl Acetate | | 20 | 0.05 |

= Compound not included in analysis

# Table 2
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| Trip Blank | | T-412 | √√√√√ | √√√√√ | √√√√√ | | | | | | | |
| Field Blank | | T-412 | √√√ | √√√ | √√√√√ | | | | | | | |
| MW90-2[S] | 2 | T-274 | | √ | | | | | √ | | | |
| MW90-3[S] | 1 | T-61 | | | √ | | | | | | | |
| MW90-4[A] | 1 | T-63 | | √ | | | | | | | | |
| MW90-5[S] | 1 | T-65 | | √ | | | | | | | | |
| MW91-1[A] | 5 | T-351 | | √ | | | | | | | | |
| MW91-2[S] | 5 | T-352 | | | √ | | | | | | | |
| MW91-4[N] | 3 | | | | | | | | √ | | √ | |
| MW91-6[N] | 3 | | | | | | | | | | | |
| MW91-8[S] | 2 | T-278 | √ | √ | √ | | | | | | | |
| MW91-9[A] | 10 | T-281 | √ | √ | √ | | | | | | | |
| MWP-1 | 15 | T-67 | √ | | | | | | | | | |
| MWP-2[S] | 8 | T-385 | √ | | | | | | | | | |
| MWP-4[S] | 14 | T-284 | √ | | | | | | | | | |
| MWP-5[S] | 14 | T-286 | √ | | | | | | | | | |
| MWP-6[S] | 14 | T-289 | √ | | | | | | | | | |
| MWP-7[T] | 14 | T-292 | √ | | | | | | | | | |
| MWP-8[S] | 10 | T-296 | √ | | | | | | | | | |
| MWP-9[A] | 5 | T-354 | √ | | | | | | | | | √ |
| MWP-10[N] | 5 | | | | | | | | | | | √ |
| MW76-1[A] | 4 | T-347 | | √ | | √ | √ | | | | | |
| 51-92-2[N] | 9 | | | | | | | | | | √ | |
| 46-92-9[A] | 7 | T-221 | | | √ | | | | √ | | √ | |
| 77-92-10[N] | 5 | | | | | | | | | | √ | |
| 26-92-11[A] | 10 | T-216 | | | √ | | | | | | | |
| 61-92-12[S] | 5 | T-335 | | √ | | | | | | | | |
| 74-92-13[N] | 11 | | | | | | | | | | | |
| 83-92-14[N] | 11 | | | | | | | | | | | |
| 46A-92-15[A] | 1 | T-22 | √ | | | | | | | | | |
| 7-92-16[S] | 2 | T-162 | | √ | | | | √ | | | | |
| 6-92-17[S] | 14 | T-155 | | √ | | | | | | | | |
| 37-92-18A[N] | 14 | | | | | | | | | | √ | |
| 7-92-19[S] | 2 | T-164 | | √ | | | | | | | | |
| 27-92-20[Q] | 2 | T-218 | √ | √ | √ | | | | | | | |
| 53-92-21-130'[N] | 2 | | | | | | | | | | | |
| 53-92-21-147'[N] | 2 | | | | | | | | | | | |
| 53-92-21-167'[N] | 2 | | | | | | | | | | | |
| 53-92-21-193'[N] | 2 | | | | | | | | | | | |
| 69A-92-22[A] | 3 | T-341 | √ | | | | | | | | | |
| 75B-92-24[N] | 3 | | | | | | | | | | | √ |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| 62-92-26$^{S}$ | 13 | T-366 | √ | | | | | | | | | |
| 62-92-27$^{S}$ | 13 | T-368 | √ | | | | | | | | | |
| CD-92-28$^{S}$ | OS | T-380 | √ | | | | | | | | | |
| 71-93-2$^{N}$ | 1 | | | | | | | | | | | |
| 58-93-3$^{S}$ | 7 | T-256 | | √ | | √ | | | | | | |
| 6-93-4$^{A}$ | 2 | T-157 | | √ | | | | √,D | | | | |
| 76-93-6$^{N}$ | 4 | | | | | √ | | | | | | |
| 53-93-9$^{Q}$ | 2 | T-243 | √ | √ | √ | | | | | | | √ |
| 5-93-10$^{S}$ | 10 | T-153 | √ | √ | √ | | | | | | | |
| 88-93-11A$^{S}$ | 6 | T-377 | √ | | | | | | | | | |
| 46-93-12$^{S}$ | 7 | T-222 | | √ | | | | | | | | |
| 52-93-14$^{A}$ | 10 | T-231 | | | √ | | | | | | | |
| 53-93-16-42'$^{A}$ | 2 | T-247 | | | √ | | | | | | | |
| 53-93-16-69'$^{S}$ | 2 | T-249 | √ | √ | √ | | | | | | | |
| 53-93-17$^{N}$ | 2 | | | | | | | | | | | |
| 51B-93-18A$^{S}$ | 9 | T-46 | | √ | | | | | | | √ | |
| 7-94-3$^{S}$ | 2 | T-168 | | √ | | | | | | | | |
| 77-94-5$^{N}$ | 5 | | | | | | | | | | √ | |
| 77-94-6$^{N}$ | 5 | | | | | | | | | | | |
| 74-94-7$^{S}$ | 11 | T-371 | √ | | | | | | | | | √ |
| 74-94-8$^{S}$ | 11 | T-373 | √ | | | | | | | | | |
| 25-94-12$^{A}$ | 10 | T-196 | | √ | | | | | | | | |
| 16-94-13$^{A}$ | 10 | T-194 | | √ | | √ | | | | | | |
| 58A-94-14$^{S}$ | 7 | T-272 | | √ | | | | | | | | |
| 51-94-15$^{A}$ | 7 | T-227 | √ | | | | | | | | | |
| 52-95-2A | 10 | | | | | | | | | | | |
| 52-95-2B$^{S}$ | 10 | T-233 | √ | √ | | | | | | | | |
| 16-95-3$^{N}$ | 10 | | | | | | | | | | | |
| 25-95-5$^{N}$ | 10 | T-198 | √ | √ | √ | | | | | | | |
| 74-95-6$^{A}$ | 11 | T-376 | √ | | | √ | | | | | | |
| 71-95-9$^{N}$ | 1 | T-57 | | √ | | | | | | | | √ |
| 58-95-11$^{A}$ | 7 | T-258 | | √ | | | | | | | | |
| 53-95-12$^{S}$ | 2 | T-252 | | | √ | | | | √ | | | |
| 52B-95-13$^{A}$ | 2 | T-242 | | √ | | √ | | | | √ | | |
| 6-95-14$^{A}$ | 2 | T-159 | √ | √ | | | | √ | | | | |
| 25A-95-15$^{S}$ | 10 | T-205 | | | √ | | | | | | | |
| 58-95-18$^{A}$ | 7 | T-259 | | √ | | | | | | | | |
| 58-95-19$^{S}$ | 7 | T-261 | | | √,D | | | | | | | |
| 58-95-20$^{A}$ | 7 | T-263 | | √ | | | | | | | | |
| 7B-95-21$^{S}$ | 2 | T-181 | √ | √ | √ | | | | | | | |
| 7-95-22$^{S}$ | 2 | T-170 | √ | √ | √ | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| 7-95-23[Q] | 2 | T-174 | √ | √ | √ | | | | | | | |
| 7B-95-24[Q] | 2 | T-186 | √ | √ | √,D | | | | | | √ | |
| 7B-95-25[S] | 2 | T-191 | √ | | √ | | | | | | | |
| 25-95-26[A] | 10 | T-200 | | √ | | | | | | | | |
| 25-95-27[S] | 10 | T-201 | √ | | | | | | | | | |
| 53-96-1[A] | 2 | T-254 | √ | √ | √ | | | | | | | |
| 51-96-3[A] | 7 | T-229 | √ | | | | | | | | | |
| 46-96-10[A] | 7 | T-225 | √ | | | | | | | | | |
| 58-96-11[Q] | 2 | T-265 | √ | √ | √ | | | | √ | | | |
| 51-96-15[S] | 9 | T-24 | √ | | | | | | | | | |
| 51-96-16[S] | 9 | T-25 | √ | √ | √ | | | | | | | |
| 51-96-17[A] | 9 | T-28 | √ | √ | √ | | | | | | | |
| 51-96-18[S] | 9 | T-32 | √ | √ | √ | | | | | | | |
| 75-96-20[A] | 3 | T-342 | | √ | | | | | | | | |
| 64-97-1[A] | 9 | T-54 | √ | | | | | | | | √ | |
| 64-97-2[S] | 9 | T-55 | √ | | | | | | | | √ | |
| 51-97-3[A] | 9 | T-35 | | √ | | | | | | | | |
| 75-97-5[N] | 3 | T-344 | | | √ | | | | √ | | | √,D |
| 75-97-6[N] | 3 | | | | | | | | | | | |
| 75-97-7[N] | 3 | | | | | | | | | | | √ |
| 69-97-8[S] | 3 | T-338 | √ | √ | √ | | | | √ | | | |
| 77-97-9[N] | 5 | | | | | | | | | | | |
| 77-97-11[N] | 5 | | | | | | | | | | | √ |
| 51-97-12[S] | 9 | T-36 | | √ | | | | | | | | |
| 51-97-13[A] | 9 | T-37 | | √ | | | | | | | | |
| 51-97-14[A] | 9 | T-39 | √ | | | | | | | | | |
| 51-97-15[S] | 9 | T-39 | √ | | | | | | | | | |
| 31-97-17[N] | 5 | | | | | | | | | | | √ |
| 31-97-18[N] | 5 | | | | | | | | | | | |
| 78-97-20[N] | 4 | | | | | | | | | | | |
| 69-97-21[N] | 3 | | | | | | | | | | | |
| 25A-98-1[S] | 10 | T-207 | √ | √ | √ | | | | | | | |
| 56-98-2[A] | 9 | T-52 | | | √ | | | | | | | |
| 25A-98-3[S] | 10 | T-209 | √ | √ | √ | | | | | | | |
| 25A-98-7[S] | 10 | T-212 | √ | √ | √ | | | | | | | |
| 52A-98-8A[A] | 10 | | | | | | | | | | | |
| 52A-98-8B[S] | 10 | T-239 | √ | √ | | | | | | | | |
| 52-98-9[A] | 10 | T-236 | √ | √ | √ | | | | | | | |
| 25-98-10[A] | 10 | T-204 | √ | √ | √ | | | | | | | |
| 71B-98-13[S] | 1 | T-58 | √ | | | | | | | | | |
| 75-98-14[A] | 3 | T-345 | | √ | | | | | | √ | | √ |
| 75-98-15[N] | 3 | | | | | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| 31-98-17[S] | 5 | T-334 | √ | | | | | | | | | √ |
| 63-98-18[A] | 15 | T-53 | √ | | | | | | | | | |
| 76-98-21[S] | 4 | T-349 | | | √ | | | | | | | |
| 76-98-22[S] | 4 | T-350 | √ | | | | | | | | | |
| 51-99-1[N] | 9 | | | | | | | | | | | |
| 25A-99-2[S] | 10 | T-215 | | | √ | | | | | | | |
| 71B-99-3R[Q] | 1 | T-59 | | √√ | | | | | | | | |
| 75-99-6[N] | 3 | | | | | | | | | √ | | √ |
| 75-99-7[N] | 3 | | | | | | | | | | | |
| 75-99-8[N] | 3 | | | | | | | | | √ | √ | |
| 7-00-4[A] | 2 | T-179 | | | √ | | | | | | | |
| 75A-00-7[A] | 3 | T-346 | | | √ | | | | | | | |
| 51-00-8[Q] | 9 | T-41 | | | √ | | | | | | | |
| 51-00-9[N] | 9 | T-43 | | √ | | | | | | √,D | √,D | |
| 51-00-10[A] | 9 | T-44 | | √ | | | | | | √ | √ | |
| 58-00-12[Q] | 7 | T-269 | √ | √ | √,D | | | | | | | |
| 51L-01-1A[A] | 9 | T-47 | | √ | | | | | | | | |
| 51L-01-1B[N] | 9 | | | | | | | | | | | |
| 51L-01-5A[A] | 9 | | | | | | | | | | | |
| 51L-01-5B[A] | 9 | | | | | | | | | | | |
| 51L-01-6[A] | 9 | | | | | | | | | | | |
| 51L-01-7[A] | 9 | | | | | | | | | | | |
| 51A-01-11[A] | 9 | T-45 | √ | | | | | | | | | |
| OW3-225[S] | 8 | T-383 | √ | | | | | | | | | |
| Hydraugers | | | | | | | | | | | | |
| 37-01-01 | 14 | | | | | | | | | | | |
| 51-01-01 | 9 | T-389 | √ | | | | | | | | | |
| 51-01-02 | 9 | T-389 | √ | | | | | | | | | |
| 51-01-03 | 9 | T-389 | √ | | | | | | | | | |
| 51-01-03A | 9 | | | | | | | | | | | |
| 51-01-04 | 9 | T-389 | √ | | | | | | | | | |
| 77-02-05 | 5 | | | | | | | | | | | |
| 77-02-06 | 5 | | | | | | | | | | | |
| 77-02-11 | 5 | | | | | | | | | | | |
| 77-02-12 | 5 | | | | | | | | | | | |
| 77-03-02 | 5 | | | | | | | | | | | |
| 77-03-03 | 5 | | | | | | | | | | | |
| Slope Stability and Indicator Facilities | | | | | | | | | | | | |
| SI3-63 | 1 | | | | | | | | | | | |
| SI15-102 | 2 | | | | | | | | | | | |
| SSW17-130 | 5 | | | | | | | | | | | √ |
| SSW19-63 | 15 | | | | | | | | | | | |
| SSW19-130 | 5 | | | | | | | | | | | √ |
| SSW20-130 | 5 | | | | | | | | | | | √ |
| SSW21-130 | 5 | | | | | | | | | | | √ |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | |
| SB5A-98-1 | 10 | T-299 | | √ | | | | | | | | |
| SB7-97-1 | 2 | | | | | | | | | | | |
| SB10-07-1 | 14 | T-301 | | √ | √√,D | | | | | | √√ | |
| SB10-07-2 | 14 | T-301 | | | √ | | | | | | √ | |
| SB10-07-3 | 14 | T-301 | | | √ | | | | | | √ | |
| SB10-07-4 | 14 | T-301 | | | √ | | | | | | √ | |
| SB10-07-5 | 14 | T-301 | | | √ | | | | | | √ | |
| SB10-07-6 | 14 | T-301 | | | √ | | | | | | √ | |
| SB16-97-11 | 10 | | | | | | | | | | | |
| SB16-98-1 | 10 | T-302 | | | √ | | | | | | | |
| SB25A-96-3 | 10 | T-303 | | | √ | | | | | | | |
| SB27-96-1 | 5 | T-304 | √ | √ | √ | | | | | | | |
| SB31-02-1 | 5 | | | | | | | | | | | √ |
| SB31-02-2 | 5 | | | | | | | | | | | √ |
| SB31-02-4 | 5 | | | | | | | | | | | √ |
| SB31-02-5 | 5 | | | | | | | | | | | √ |
| SB31-02-6 | 5 | | | | | | | | | | | √ |
| SB31-02-7 | 5 | | | | | | | | | | | √ |
| SB31-03-1 | 5 | | | | | | | | | | | √ |
| SB31-03-2 | 5 | | | | | | | | | | | √ |
| SB31-03-3 | 5 | | | | | | | | | | | |
| SB31-03-4 | 5 | | | | | | | | | | | √ |
| SB44-98-1 | 10 | T-305 | | | √ | | | | | | | |
| SB51-96-6 | 9 | | | | | | | | | | | |
| SB51-98-1 | 9 | T-70 | | | √ | | | | | √ | | |
| SB51-98-2 | 9 | | | | | | | | | | | |
| SB51-98-4 | 9 | T-70 | | | √ | | | | | | | |
| SB51-98-6 | 9 | T-71 | | | √ | | | | | | | |
| SB51-98-8 | 9 | | | | | | | | | | | |
| SB51-98-9 | 9 | | | | | | | | | | | |
| SB51-04-1 | 9 | | | | | | | | | | | |
| SB51L-98-1A | 9 | T-72 | | | √ | | | | | | | |
| SB52A-98-1 | 2 | T-306 | | | √ | | | | | | | |
| SB53-96-3 | 2 | T-307 | √ | √ | √ | | | | | | | |
| SB58-95-1 | 7 | T-311 | | | √ | | | | | | | |
| SB58-95-2 | 7 | T-312 | | | √ | | | | | | | |
| SB58-96-1 | 7 | T-313 | √ | | √ | | | | | | | |
| SB58-96-2 | 7 | T-314 | √ | | √ | | | | | | | |
| SB58-97-1 | 7 | T-317 | √ | | √ | | | | | | | |
| SB58-97-2 | 7 | T-318 | √ | √ | √ | | | | | | | |
| SB58-98-1 | 7 | | | | | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | |
| SB58-98-6 | 7 | T-320 | | | √ | | | | | | | |
| SB58-98-7 | 7 | T-321 | | | √ | | | | | | | |
| SB58-01-02 | 7 | T-310 | | | √ | | | | | | | |
| SB58-02-1 | 7 | T-322 | | | √ | | | | | | | |
| SB58-02-2 | 7 | T-323 | | | √ | | | | | | | |
| SB64-98-8 | 9 | T-73 | √ | √ | √ | | | | | | | |
| SB64-98-12 | 9 | T-77 | | | √ | | | | | | | |
| SB64-98-13 | 9 | T-79 | | | √ | | | | | | | |
| SB64-98-17 | 9 | T-80 | √ | √ | √ | | | | | | | |
| SB64-99-4 | 9 | T-83 | √ | √ | √ | | | | | | | |
| SB64-99-5 | 9 | T-87 | √ | √ | √ | | | | | | | |
| SB64-99-6 | 9 | T-90 | | | √ | | | | | | | |
| SB64-00-1 | 9 | T-92 | √ | √ | √ | | | | | | | |
| SB64-00-2 | 9 | T-95 | √ | √ | √ | | | | | | | |
| SB64-02-1A | 9 | T-98 | | √ | √,D | | | | | | | |
| SB64-02-1B | 9 | T-100 | | √ | √ | | | | | | | |
| SB64-02-1C | 9 | T-101 | | √ | √ | | | | | | | |
| SB64-02-1D | 9 | T-102 | | √ | √ | | | | | | | |
| SB64-02-1E | 9 | T-104 | | √ | √ | | | | | | | |
| SB64-02-1F | 9 | T-105 | | √ | √ | | | | | | | |
| SB64-02-2A | 9 | T107 | | √ | √ | | | | | | | |
| SB64-02-2B | 9 | T-108 | | √ | √ | | | | | | | |
| SB64-02-2C | 9 | T-109 | | √ | √ | | | | | | | |
| SB64-02-2D | 9 | T-111 | | √ | √ | | | | | | | |
| SB64-02-2E | 9 | T-112 | | √ | √ | | | | | | | |
| SB64-02-2F | 9 | T-113 | | √ | √ | | | | | | | |
| SB64-03-1A | 9 | T-115 | | | √ | | | | | | | |
| SB64-03-1B | 9 | T-116 | √ | √ | √ | | | | | | | |
| SB64-03-4 | 9 | T-120 | | | √ | | | | | | | |
| SB64-03-5 | 9 | T-121 | √ | √ | √ | | | | | | | |
| SB64-03-6 | 9 | T-124 | √ | √ | √ | | | | | | | |
| SB64-03-7 | 9 | T126 | | | √ | | | | | | | |
| SB64-03-8 | 9 | T-127 | | | √ | | | | | | | |
| SB64-03-12 | 9 | T-129 | | | √ | | | | | | | |
| SB64-03-13 | 9 | T-130 | | | √ | | | | | | | |
| SB64-05-4 | 9 | T-130 | √ | √ | √ | | | | | | | |
| SB69-02-1A | 3 | | | | | | | | | | | |
| SB69-02-1B | 3 | | | | | | | | | | | |
| SB69A-99-1 | 3 | T-357 | √ | √ | √ | | | | | | | √ |
| SB69A-00-1 | 3 | T-360 | | √ | | | | | | | | √ |
| SB71B-99-1 | 1 | T-132 | | | √ | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| Temporary Groundwater Sampling Points | | | | | | | | | | | | |
| SB71B-03-1 | 1 | T-133 | √ | √ | √ | | | | | | | |
| SB71B-03-2 | 1 | T-139 | √ | √ | √ | | | | | | | |
| SB71B-04-1 | 1 | T-144 | √ | √ | √ | | | | | | | |
| SB71B-04-3 | 1 | | | | | | | | | | | |
| SB71H-98-1 | 1 | T-146 | | | √ | | | | | | | |
| SB75-02-1 | 3 | T-360 | | | √ | | | | | | | √ |
| SB75A-02-1A | 3 | | | | | | | | | | | √ |
| SB75A-02-1B | 3 | | | | | | | | | | | √ |
| SB77-02-1 | 5 | | | | | | | | | | | √ |
| W76-97-3 | 4 | | | | | | | | | | | |
| W76-97-4 | 4 | | | | | | | | | | | |
| W76-97-5 | 4 | | | | | | | | | | | |
| Other Locations | | | | | | | | | | | | |
| MP7-99-1BR | 2 | T-333 | | √,D | | | | | | | | |
| MP7-99-2BR | 2 | T-333 | √ | | √ | | | | | | | |
| Extraction/Injection Wells | | | | | | | | | | | | |
| EW7-96-1 | 2 | T-324 | √ | √ | √ | | | | | | | |
| EW7-96-2 | 2 | T-324 | √ | √ | √ | | | | | | | |
| EW7-96-4R | 2 | T-325 | √ | √ | √ | | | | | | | |
| EW7-03-1 | 2 | T-325 | √ | √ | √ | | | | | | | |
| EW7-03-2 | 2 | T-326 | √ | √ | | | | | | | | |
| EW7-03-3 | 2 | T-326 | √ | √ | √ | | | | | | | |
| EW7-06-1 | 2 | T-327 | | √ | √ | | | | | | | |
| EW7C-04-2 | 2 | T-328 | √ | √ | √ | | | | | | | |
| EW25A-02-1 | 10 | T-328 | √ | √ | √ | | | | | | | |
| EW51-07-1 | 9 | T-148 | √ | √ | √ | | | | | | | |
| EW51-07-2 | 9 | T-148 | √ | √ | √ | | | | | | | |
| EW51A-06-1 | 9 | T-148 | √ | √ | √ | | | | | | | |
| EW51L-99-1 | 9 | | | | | | | | | | | |
| EW51L-00-1 | 9 | | | | | | | | | | | |
| EW51L-06-1 | 9 | T-149 | √ | √ | √ | | | | | | | |
| EW53-04-2 | 2 | T-329 | √ | √ | √ | | | | | | | |
| EW58-98-1[T] | 7 | T-329 | √ | | | | | | | | | |
| EW58-98-2[T] | 7 | T-329 | √ | | | | | | | | | |
| EW58E-98-1 | 7 | T-330 | √ | | √ | | | | | | | |
| EW58E-98-2 | 7 | T-330 | √ | | √ | | | | | | | |
| EW58E-98-3 | 7 | T-330 | √ | | √ | | | | | | | |
| EW58E-98-4 | 7 | T-331 | √ | | √ | | | | | | | |
| EW58E-98-5 | 7 | T-331 | √ | | √ | | | | | | | |
| EW58E-98-6 | 7 | T-331 | √ | | √ | | | | | | | |

# Table 2 (Cont'd)
## Groundwater Sampling Locations and Analytical Methods
### 4th Quarter FY 2007

| | | | VOCs - 8260 | | | TPH-D | TPH-G | TPH-K | TPH-FF | PCBs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location | Area | Page # | July | Aug | Sept | 8015 | 8015 | 8015 | 8015 | 608 | Metals | Tritium |
| Extraction/Injection Wells | | | | | | | | | | | | |
| EW58E-98-7 | 7 | T-331 | √ | | √ | | | | | | | |
| EW58E-98-8 | 7 | T-331 | √ | | √ | | | | | | | |
| EW58-02-1[T] | 7 | T-332 | √ | √ | √ | | | | | | | |
| EW64-00-1[T] | 9 | T-149 | √ | √ | √ | | | | | | | |
| EW64-03-1[T] | 9 | T-150 | √ | √ | √ | | | | | | | |
| EW64-05-1[T] | 9 | T-151 | √ | √ | √ | | | | | | | |
| EW64-06-1 | 9 | T-151 | √ | √ | | | | | | | | |

= all compounds less than Quantitation Limit or Minimum Detectable Activity (Radionuclides)

Minimum required groundwater monitoring well sampling schedule for VOCs

[A] = Annual

[N] = No sampling

[Q] = Quarterly sampling

[S] =Semi-annual

[T] = Treatment system influent samples

D - each D represents one duplicate sample

OS = Offsite well

√ = each check represents one sample taken

Analytical Methods:

8260 = Volatile Organic compounds

TPH-FF = Hydrocarbon range includes: Light Naptha, Aviation Gas, Stoddard Solvent, Heavy Naptha, Gasoline, JP4, JP5, JP6, JP8, Kerosene, Diesel, Crude/Waste Oil, Hydraulic/Motor Oil, and WD-40

TPH-D = Diesel Range Organics, EPA Method 8015m or 8015B-SVOA

TPH-G = Gasoline Range Organics, EPA Method 8015m

TPH-K = TPH-Kerosene, EPA Method 8015m

PCBs = Polychlorinated Biphenyls, EPA Method 608

# Table 3
## Groundwater Elevations in LBNL Monitoring Wells
### 4th Quarter FY 2007

| 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 | 8/30 | 17.12 | 812.98 | 815.15 | -2.17 |
| 51-92-2 | 724.69 | 8/28 | 7.33 | 717.36 | 720.29 | -2.93 |
| 51-96-15 | 709.83 | 8/28 | 22.53 | 687.30 | 688.81 | -1.51 |
| 51-96-16 | 709.72 | 8/28 | 18.27 | 691.45 | NM | |
| 51-96-17 | 709.64 | 8/28 | 18.04 | 691.60 | 693.21 | -1.61 |
| 51-96-18 | 710.76 | 8/28 | 10.39 | 700.37 | 701.64 | -1.27 |
| 51-97-3 | 709.81 | 8/28 | 34.55 | 675.26 | 675.81 | -0.55 |
| 51-97-12 | 709.37 | 8/28 | 33.98 | 675.39 | 677.03 | -1.64 |
| 51-97-13 | 709.48 | 8/28 | 34.39 | 675.09 | 676.86 | -1.77 |
| 51-97-14 | 708.89 | 8/28 | 49.03 | 659.86 | 661.05 | -1.19 |
| 51-97-15 | 706.11 | 8/28 | 72.91 | 633.20 | 635.53 | |
| 51-99-1 | 724.44 | 8/28 | NM | | NM | |
| 51-00-8 | 682.11 | 8/28 | 22.52 | 659.59 | 660.43 | -0.84 |
| 51-00-9 | 698.16 | 8/28 | 4.54 | 693.62 | 695.20 | -1.58 |
| 51-00-10 | 698.18 | 8/28 | 5.75 | 692.43 | 695.12 | -2.69 |
| 51A-01-11 | 709.74 | 8/28 | 28.57 | 681.17 | 679.14 | 2.03 |
| 51B-93-18A | 709.95 | 8/28 | 9.32 | 700.63 | 700.61 | 0.02 |
| 51L-01-1A | 710.04 | 8/28 | NM | | 703.92 | |
| 51L-01-1B | 710.04 | 8/28 | NM | | 700.26 | |
| 51L-01-5A | 709.96 | 8/28 | 26.71 | 683.25 | 683.65 | -0.40 |
| 51L-01-5B | 709.94 | 8/28 | 45.81 | 664.13 | 664.70 | -0.57 |
| 51L-01-6 | 709.80 | 8/28 | 20.82 | 688.98 | 689.07 | -0.09 |
| 51L-01-7 | 709.76 | 8/28 | 30.29 | 679.47 | 680.16 | -0.69 |
| 56-98-2 | 709.76 | 8/28 | 18.74 | 691.02 | 692.59 | -1.57 |
| 63-98-18 | 709.99 | 8/28 | 21.17 | 688.82 | 691.26 | -2.44 |

| 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 | 8/28 | 7.03 | 702.91 | 706.01 | -3.10 |
| 64-97-2 | 709.65 | 8/28 | 12.29 | 697.36 | 698.90 | -1.54 |
| 71-93-2 | 844.39 | 8/30 | 36.21 | 808.18 | 804.88 | 3.30 |
| 71-95-9 | 854.18 | 8/30 | 23.24 | 830.94 | 832.84 | -1.90 |
| 71B-98-13 | 832.33 | 8/30 | 16.34 | 815.99 | 819.10 | -3.11 |
| 71B-99-3R | 840.13 | 8/30 | 16.53 | 823.60 | 834.97 | -11.37 |
| MW90-3 | 820.60 | 8/30 | 42.43 | 778.17 | 778.66 | -0.49 |
| MW90-4 | 746.15 | 8/29 | 12.63 | 733.52 | 737.79 | -4.27 |
| MW90-5 | 745.75 | 8/29 | 19.52 | 726.23 | 727.98 | -1.75 |
| MWP-1 | 630.65 | 8/29 | 43.38 | 587.27 | 586.51 | 0.76 |
| **Old Town** | | | | | | |
| 5-93-10 | 914.90 | 8/28 | 22.32 | 892.58 | 895.22 | -2.64 |
| 6-92-17 | 891.20 | 8/30 | 11.44 | 879.76 | 880.06 | -0.30 |
| 6-93-4 | 881.60 | 8/28 | 41.33 | 840.27 | 835.35 | 4.92 |
| 7-92-16 | 882.40 | 8/28 | 42.55 | 839.85 | 830.30 | 9.55 |
| 7-92-19 | 884.80 | 8/28 | 17.84 | 866.96 | 862.85 | 4.11 |
| 7-94-3 | 882.88 | 8/28 | NM | | NM | |
| 7-95-22 | 882.16 | 8/28 | 17.85 | 864.31 | 863.11 | 1.20 |
| 7-95-23 | 882.37 | 8/28 | 22.13 | 860.24 | 870.71 | -10.47 |
| 7-00-4 | 883.18 | 8/28 | 78.43 | 804.75 | 799.84 | 4.91 |
| 7B-95-21 | 883.63 | 8/28 | 25.48 | 858.15 | 858.81 | -0.66 |
| 7B-95-24 | 883.88 | 8/28 | 39.71 | 844.17 | 830.98 | 13.19 |
| 7B-95-25 | 882.03 | 8/28 | 16.23 | 865.80 | NM | |
| 16-94-13 | 892.50 | 8/30 | 18.63 | 873.87 | 877.58 | -3.71 |
| 16-95-3 | 901.52 | 8/30 | 15.83 | 885.69 | 886.32 | -0.63 |

# Table 3 (Cont'd)
# Groundwater Elevations in LBNL Monitoring Wells
## 4th Quarter FY 2007

| 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** | | | | | | |
| 25-94-12 | 937.59 | 8/28 | 41.87 | 895.72 | 903.08 | -7.36 |
| 25-95-5 | 932.88 | 8/28 | NM | | NM | |
| 25-95-26 | 935.81 | 8/28 | 40.60 | 895.21 | 896.69 | -1.48 |
| 25-95-27 | 859.83 | 8/30 | 30.83 | 829.00 | 829.85 | -0.85 |
| 25-98-10 | 934.42 | 8/30 | 39.55 | 894.87 | 870.10 | 24.77 |
| 25A-95-15 | 931.68 | 8/28 | 24.19 | 907.49 | 912.16 | -4.67 |
| 25A-98-1 | 936.88 | 8/28 | 30.56 | 906.32 | 904.73 | 1.59 |
| 25A-98-3 | 940.14 | 8/30 | NM | | NM | |
| 25A-98-7 | 942.71 | 8/28 | 15.69 | 927.02 | 928.60 | -1.58 |
| 25A-99-2 | 940.45 | 8/30 | NM | | 916.72 | |
| 26-92-11 | 936.19 | 8/28 | 18.21 | 917.98 | 921.11 | -3.13 |
| 27-92-20 | 881.10 | 8/28 | 46.19 | 834.91 | 835.23 | -0.32 |
| 37-92-18A | 861.20 | 8/30 | 46.49 | 814.71 | 815.28 | -0.57 |
| 46-92-9 | 805.30 | 8/28 | 70.84 | 734.46 | 733.18 | 1.28 |
| 46-93-12 | 807.57 | 8/28 | 7.59 | 799.98 | 800.02 | -0.04 |
| 46-96-10 | 790.35 | 8/28 | 33.72 | 756.63 | 757.83 | -1.20 |
| 51-94-15 | 771.17 | 8/28 | 35.93 | 735.24 | 736.43 | -1.19 |
| 51-96-3 | 766.44 | 8/28 | 12.88 | 753.56 | 756.39 | -2.83 |
| 52-93-14 | 900.03 | 8/30 | 38.13 | 861.90 | 866.10 | -4.20 |
| 52-95-2A | 910.27 | 8/30 | 43.72 | 866.55 | 866.75 | -0.20 |
| 52-95-2B | 910.23 | 8/30 | 52.75 | 857.48 | 860.28 | -2.80 |
| 52-98-9 | 910.86 | 8/30 | 52.81 | 858.05 | 860.75 | -2.70 |
| 52A-98-8A | 913.56 | 8/30 | 31.67 | 881.89 | 881.90 | -0.01 |
| 52A-98-8B | 913.51 | 8/28 | 52.14 | 861.37 | 865.47 | -4.10 |
| 52B-95-13 | 887.40 | 8/28 | 21.51 | 865.89 | 869.18 | -3.29 |

| 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//28 | 67.94 | 819.03 | 818.96 | 0.07 |
| 53-92-21-147' | 886.99 | 8//28 | 66.95 | 820.04 | 820.07 | -0.03 |
| 53-92-21-167' | 886.97 | 8//28 | 68.10 | 818.87 | 819.07 | -0.20 |
| 53-92-21-193' | 886.98 | 8//28 | 81.22 | 805.76 | 805.53 | 0.23 |
| 53-93-9 | 900.68 | 8//28 | 60.12 | 840.56 | 841.51 | -0.95 |
| 53-93-16-42' | 887.45 | 8//28 | 37.35 | 850.10 | 849.10 | 1.00 |
| 53-93-16-69' | 887.40 | 8//28 | NM | | 826.35 | |
| 53-93-17 | 902.62 | 8//28 | 63.91 | 838.71 | 840.78 | -2.07 |
| 53-95-12 | 867.45 | 8//28 | 32.19 | 835.26 | 835.71 | -0.45 |
| 53-96-1 | 887.64 | 8//28 | 55.65 | 831.99 | 829.20 | 2.79 |
| 58-93-3 | 830.06 | 8//28 | 5.43 | 824.63 | 824.03 | 0.60 |
| 58-95-11 | 831.62 | 8//28 | 0.88 | 830.74 | 830.52 | 0.22 |
| 58-95-18 | 788.61 | 8//28 | 10.87 | 777.74 | 778.21 | -0.47 |
| 58-95-19 | 834.33 | 8//28 | 16.84 | 817.49 | 817.33 | 0.16 |
| 58-95-20 | 818.81 | 8//28 | 17.49 | 801.32 | 801.69 | -0.37 |
| 58-96-11 | 848.23 | 8//28 | 31.83 | 816.40 | 816.52 | -0.12 |
| 58-00-12 | 860.62 | 8//28 | NM | | NM | |
| 58A-94-14 | 821.73 | 8//28 | 22.19 | 799.54 | 798.69 | 0.85 |
| MW90-2 | 880.78 | 8//28 | 21.73 | 859.05 | 860.49 | -1.44 |
| MW91-8 | 887.02 | 8//28 | 50.62 | 836.40 | 836.89 | -0.49 |
| MW91-9 | 915.67 | 8//28 | 23.44 | 892.23 | 893.56 | -1.33 |
| MWP-4 | 831.56 | 8/30 | 47.55 | 784.01 | 785.19 | -1.18 |
| MWP-5 | 852.37 | 8/30 | 95.93 | 756.44 | 757.22 | -0.78 |
| MWP-6 | 845.44 | 8/30 | 27.11 | 818.33 | 819.19 | -0.86 |
| MWP-8 | 872.34 | 8/30 | 28.30 | 844.04 | 845.60 | -1.56 |

# Table 3 (Cont'd)
# Groundwater Elevations in LBNL Monitoring Wells
## 4th Quarter FY 2007

| 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 | 21.15 | 725.00 | 725.87 | |
| 31-97-18 | 747.80 | 8/30 | 24.25 | 723.55 | 725.65 | -2.10 |
| 31-98-17 | 693.47 | 8/30 | 11.63 | 681.84 | 674.22 | 7.62 |
| 61-92-12 | 843.90 | 8/30 | 89.66 | 754.24 | 756.85 | -2.61 |
| 69-97-8 | 975.75 | 8/30 | 41.78 | 933.97 | 934.18 | -0.21 |
| 69-97-21 | 1003.40 | 8/30 | 31.11 | 972.29 | 972.87 | -0.58 |
| 69A-92-22 | 977.06 | 8/30 | 29.30 | 947.76 | 950.80 | -3.04 |
| 75-96-20 | 979.07 | 8/30 | 12.64 | 966.43 | 967.34 | -0.91 |
| 75-97-5 | 963.73 | 8/30 | 55.30 | 908.43 | 915.77 | -7.34 |
| 75-97-6 | 967.89 | 8/30 | 50.16 | 917.73 | 913.15 | 4.58 |
| 75-97-7 | 970.70 | 8/30 | 60.42 | 910.28 | 914.75 | -4.47 |
| 75-98-14 | 977.94 | 8/30 | 25.02 | 952.92 | 965.16 | -12.24 |
| 75-98-15 | 977.97 | 8/30 | 15.62 | 962.35 | 963.59 | -1.24 |
| 75-99-6 | 979.94 | 8/30 | 14.95 | 964.99 | 971.65 | -6.66 |
| 75-99-7 | 977.92 | 8/30 | 12.40 | 965.52 | 966.18 | -0.66 |
| 75-99-8 | 979.34 | 8/30 | 21.38 | 957.96 | 970.56 | -12.60 |
| 75A-00-7 | 978.32 | 8/30 | 93.50 | 884.82 | 876.38 | 8.44 |
| 75B-92-24 | 956.90 | 8/30 | 41.00 | 915.90 | 918.36 | -2.46 |
| MW76-1 | 923.70 | 8/28 | 22.01 | 901.69 | 903.22 | -1.53 |
| 76-93-6 | 948.61 | 8/28 | 19.60 | 929.01 | 931.15 | -2.14 |
| 76-98-21 | 923.20 | 8/28 | 25.47 | 897.73 | 900.63 | -2.90 |
| 76-98-22 | 904.57 | 8/28 | 16.13 | 888.44 | 889.86 | -1.42 |
| 77-92-10 | 879.11 | 8/30 | 50.47 | 828.64 | 867.90 | -39.26 |

| 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 | NM | | NM | |
| 77-94-6 | 876.76 | 8/30 | 52.70 | 824.06 | 826.21 | -2.15 |
| 77-97-9 | 888.69 | 8/30 | 23.50 | 865.19 | 867.53 | -2.34 |
| 77-97-11 | 814.67 | 8/30 | 33.48 | 781.19 | 782.34 | -1.15 |
| 78-97-20 | 949.54 | 8/28 | 19.91 | 929.63 | 931.39 | -1.76 |
| MW91-1 | 877.98 | 8/30 | 24.55 | 853.43 | 854.65 | -1.22 |
| MW91-2 | 877.27 | 8/30 | 42.10 | 835.17 | 835.84 | -0.67 |
| MW91-4 | 978.55 | 8/30 | 66.02 | 912.53 | 907.03 | 5.50 |
| MW91-6 | 975.22 | 8/30 | 30.97 | 944.25 | 945.96 | -1.71 |
| MWP-9 | 818.83 | 8/30 | 33.23 | 785.60 | 786.59 | -0.99 |
| MWP-10 | 809.74 | 8/30 | 53.90 | 755.84 | 758.49 | -2.65 |
| **Outlying Areas** | | | | | | |
| 62-92-26 | 773.70 | 8/30 | 43.62 | 730.08 | 732.41 | -2.33 |
| 62-92-27 | 769.90 | 8/30 | 36.32 | 733.58 | 738.68 | -5.10 |
| 74-92-13 | 834.90 | 8/30 | 20.11 | 814.79 | 819.68 | -4.89 |
| 74-94-7 | 819.82 | 8/30 | 15.13 | 804.69 | 806.01 | -1.32 |
| 74-94-8 | 815.74 | 8/30 | 22.02 | 793.72 | 795.67 | -1.95 |
| 74-95-6 | 838.66 | 8/30 | 24.93 | 813.73 | 818.32 | -4.59 |
| 83-92-14 | 830.09 | 8/30 | NM | | 819.14 | |
| 88-93-11A | 537.35 | 8/28 | 60.78 | 476.57 | 476.43 | 0.14 |
| CD-92-28 | 486.29 | 8/29 | 16.82 | 469.47 | 469.78 | -0.31 |
| MWP-2 | 710.33 | 8/28 | 54.94 | 655.39 | 657.13 | -1.74 |
| OW3-225 | 570.00 | 8/29 | 61.05 | 508.95 | 509.92 | -0.97 |

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 | 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 | 880.78 | 2 | 25-35 | Orinda |
| MW90-3 | 1 | 7/23/1990 | | 1134.60 | 2460.40 | 820.60 | 2 | 48-58 | Colluvium |
| MW90-4 | 1 | 12/1/1990 | | 1103.90 | 2289.30 | 746.15 | 2 | 15-25 | Colluvium |
| MW90-5 | 1 | 12/1/1990 | | 1067.30 | 2293.70 | 745.75 | 4 | 15-25 | Colluvium |
| MW90-6 | 1 | 12/1/1990 | 9/17/2002 | 1046.70 | 2291.60 | 746.00 | 2 | 15-25 | Colluvium / Orinda |
| MW91-1 | 5 | 5/30/1991 | | -69.08 | 4050.61 | 877.98 | 2 | 44-54 | Orinda |
| MW91-2 | 5 | 5/31/1991 | | -65.83 | 3666.47 | 877.27 | 2 | 40-50 | Orinda |
| MW91-3 | 3 | 6/4/1991 | 9/21/2005 | 566.47 | 3807.95 | 981.69 | 2 | 53-63 | Orinda |
| MW91-4 | 3 | 12/2/1991 | | 476.81 | 3756.52 | 978.55 | 2 | 115-145 | Orinda |
| MW91-5 | 3 | 6/3/1991 | 9/21/2005 | 490.76 | 3815.48 | 978.28 | 2 | 30-40 | Orinda |
| MW91-6 | 3 | 11/17/1991 | | 382.38 | 3879.71 | 975.22 | 4 | 34-44 | Orinda |
| MW91-8 | 2 | 1/9/1992 | | 465.11 | 2662.97 | 887.02 | 2 | 65.5-75.5 | Moraga |
| MW91-9 | 10 | 12/9/1991 | | 246.20 | 2896.17 | 915.67 | 2 | 28.5-38.5 | Orinda |
| MWP-1 | 15 | 6/6/1991 | | 1177.15 | 1674.81 | 630.65 | 2 | 39-49 | Colluvium |
| MWP-2 | 8 | 12/6/1991 | | 219.37 | 1693.34 | 710.33 | 2 | 66-76 | Great Valley |
| MWP-4 | 14 | 6/19/1991 | | -36.08 | 2169.41 | 831.56 | 2 | 43-53 | Great Valley |
| MWP-5 | 14 | 6/25/1991 | | -262.06 | 2213.41 | 852.37 | 2 | 98-108 | Great Valley |
| MWP-6 | 14 | 6/9/1991 | | -256.79 | 2476.38 | 845.44 | 2 | 27-37 | Great Valley |
| MWP-7 | 14 | 6/10/1991 | | -206.48 | 2638.97 | 854.01 | 2 | 25-35 | Orinda / Great Valley |
| MWP-8 | 10 | 6/14/1991 | | -292.68 | 2876.29 | 872.34 | 2 | 25-35 | Orinda |
| MWP-9 | 5 | 6/18/1991 | | -196.07 | 3674.77 | 818.83 | 2 | 51-61 | Great Valley |
| MWP-10 | 5 | 6/8/1991 | | -246.37 | 3862.41 | 809.74 | 2 | 57-67 | Great Valley |
| MW1-220 | 2 | 9/24/1988 | 9/26/2005 | 578.73 | 2751.09 | 901.64 | 4 | 83-93 | Moraga |
| MW7-1 | 2 | 8/12/1988 | 8/19/2006 | 295.97 | 2681.13 | 884.13 | 4 | 8-18 | |
| MW62-B1A | 13 | 9/26/1987 | 9/20/2005 | -987.16 | 4129.20 | 757.70 | 2 | 23-33 | |
| MW62-B2 | 13 | 9/1/1986 | 9/7/2005 | -984.02 | 4127.06 | 756.60 | 2 | 24-34 | |
| MW76-1 | 4 | 8/9/1988 | | 137.13 | 3366.07 | 923.70 | 4 | 20-30 | |
| 51-92-2 | 9 | 3/19/1992 | | 660.30 | 2174.22 | 724.69 | 2 | 6.5-16.5 | Orinda |
| 88-92-4 | 6 | 3/18/1992 | 9/28/2005 | 931.05 | 1029.80 | 590.82 | 2 | 49-59 | Great Valley |
| 37-92-5 | 14 | 3/28/1992 | 12/9/2005 | -125.20 | 2668.23 | 881.56 | 2 | 85-105 | Great Valley |

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

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 37-92-6 | 14 | 2/23/1992 | 2/19/2007 | -245.60 | 2649.39 | 854.15 | 2 | 29-39 | Great Valley |
| 70-92-7 | 8 | 3/8/1992 | 9/12/2005 | 403.84 | 1708.83 | 762.93 | 2 | 20.8-25.8 | Great Valley |
| 46-92-9 | 7 | 3/1/1992 | | 612.25 | 2423.20 | 805.30 | 2 | 68.5-78.5 | Orinda |
| 77-92-10 | 5 | 3/3/1992 | | 19.05 | 4092.31 | 879.11 | 2 | 48-68 | Orinda |
| 26-92-11 | 10 | 3/9/1992 | | 165.02 | 3175.74 | 936.19 | 2 | 20.5-30.5 | Orinda |
| 61-92-12 | 5 | 2/28/1992 | | -356.90 | 3347.90 | 843.90 | 2 | 89-99 | Orinda |
| 74-92-13 | 11 | 4/15/1992 | | -355.80 | 5301.10 | 834.90 | 2 | 38.2-48.2 | San Pablo (?) |
| 83-92-14 | 11 | 2/22/1992 | | -354.70 | 5254.65 | 830.09 | 2 | 48-58 | San Pablo (?) |
| 46A-92-15 | 1 | 9/12/1992 | | 1187.20 | 2539.10 | 830.10 | 2 | 29-39 | Colluvium / Orinda |
| 7-92-16 | 2 | 8/28/1992 | | 181.20 | 2635.90 | 882.40 | 2 | 39-59 | Moraga |
| 6-92-17 | 14 | 8/27/1992 | | 40.50 | 2729.10 | 891.20 | 2 | 24-39 | Moraga/Orinda |
| 37-92-18 | 14 | 8/31/1992 | 9/25/2002 | -237.40 | 2723.80 | 860.30 | 2 | 19-29 | Orinda |
| 37-92-18A | 14 | 9/14/1992 | | -240.60 | 2730.30 | 861.20 | 2 | 49-69 | Great Valley |
| 7-92-19 | 2 | 8/29/1992 | | 299.60 | 2684.50 | 884.80 | 2 | 24-39 | Moraga/Orinda |
| 27-92-20 | 2 | 10/14/1992 | | 544.10 | 2661.00 | 881.10 | 2 | 63.5-83.5 | Moraga/Orinda |
| 53-92-21-130' | 2 | 10/92 | | 358.33 | 2657.18 | 886.97 | 2 | 125-130 | Orinda |
| 53-92-21-147' | 2 | 10/92 | | 357.94 | 2657.11 | 886.99 | 2 | 142-147 | Orinda |
| 53-92-21-167' | 2 | 10/92 | | 358.07 | 2656.90 | 886.97 | 2 | 162-167 | Orinda |
| 53-92-21-193' | 2 | 10/92 | | 358.35 | 2656.90 | 886.98 | 2 | 188-193 | Orinda |
| 69A-92-22 | 3 | 1/22/1993 | | 320.97 | 3951.1 | 977.06 | 2 | 44-64 | Orinda |
| 75-92-23 | 3 | 9/2/1992 | 9/26/2005 | 361.19 | 3826.89 | 972.10 | 6 | 29-49 | Colluvium |
| 75B-92-24 | 3 | 9/1/1992 | | 218.40 | 3692.30 | 956.90 | 2 | 37-57 | Orinda |
| 76-92-25 | 4 | 9/13/1992 | 9/18/2002 | 181.90 | 3293.20 | 928.70 | 2 | 23.5-38 | Orinda |
| 62-92-26 | 13 | 9/3/1992 | | -1157.60 | 4402.30 | 773.70 | 2 | 47-57 | Great Valley |
| 62-92-27 | 13 | 9/4/1992 | | -1112.00 | 4157.10 | 769.90 | 2 | 56-66 | Great Valley |
| CD-92-28 | OS | 10/26/1992 | | -1240.92 | 2435.51 | 486.29 | 2 | 45-55 | Great Valley |
| 71-93-1 | 1 | 9/9/1993 | 9/19/2005 | 1458.58 | 2562.60 | 872.39 | 2 | 43-63 | Moraga/Orinda |
| 71-93-2 | 1 | 9/8/1993 | | 1352.87 | 2441.60 | 844.39 | 2 | 39-59 | Moraga |
| 58-93-3 | 7 | 5/17/1994 | | 331.23 | 2515.06 | 830.06 | 2 | 14-24 | Colluvium/Moraga |
| 6-93-4 | 2 | 9/10/1993 | | 229.92 | 2599.52 | 881.60 | 2 | 35-50 | Artificial Fill/Moraga |

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

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 37-93-5 | 14 | 8/26/1993 | 9/18/2002 | -230.96 | 2573.02 | 850.17 | 2 | 39-49 | Great Valley |
| 76-93-6 | 4 | 8/25/1993 | | 252.62 | 3600.80 | 948.61 | 2 | 34-44 | Orinda |
| 76-93-7 | 4 | 8/28/1993 | 9/27/2005 | 141.90 | 3299.84 | 924.85 | 2 | 24-39 | Orinda |
| 77-93-8 | 5 | 8/23/1993 | 9/19/2005 | -44.32 | 3554.55 | 879.01 | 2 | 16-26 | Art Fill/Col/Orinda |
| 53-93-9 | 2 | 9/9/1993 | | 427.92 | 2732.45 | 900.68 | 2 | 68-88 | Moraga/Orinda |
| 5-93-10 | 10 | 9/10/1993 | | 179.51 | 2873.28 | 914.90 | 2 | 22-37 | Moraga/Orinda |
| 88-93-11A | 6 | 3/2/1994 | | 956.00 | 864.20 | 537.35 | 2 | 55-65 | Great Valley |
| 46-93-12 | 7 | 9/7/1993 | | 673.46 | 2530.88 | 807.57 | 2 | 8.5-13.5 | Moraga/Orinda |
| 88-93-13 | 6 | 11/1/1993 | 2/19/2007 | 671.81 | 980.85 | 581.50 | 2 | 118.5-138.5 | Great Valley |
| 52-93-14 | 10 | 12/9/1993 | | 276.79 | 2842.59 | 900.03 | 2 | 24.5-39.5 | Moraga/Orinda |
| 25-93-15 | 10 | 11/8/1993 | 9/14/2005 | -46.77 | 3057.62 | 936.44 | 2 | 55-75 | Moraga/Orinda |
| 53-93-16-42' | 2 | 1/29/1994 | | 356.87 | 2674.05 | 887.45 | 2 | 31.5-41.5 | Moraga |
| 53-93-16-69' | 2 | 1/29/1994 | | 356.74 | 2673.78 | 887.40 | 4 | 58.5-68.5 | Moraga |
| 53-93-17 | 2 | 11/2/1993 | | 458.40 | 2707.41 | 902.62 | 2 | 60.5-75.5 | Moraga |
| 51B-93-18A | 9 | 5/19/1994 | | 1070.65 | 2174.99 | 709.95 | 2 | 23.5-43.5 | Orinda |
| 46A-93-19 | 1 | 1/15/1994 | 9/28/2005 | 1024.48 | 2439.82 | 809.77 | 2 | 44-64 | Orinda |
| 71-94-1 | 1 | 5/21/1994 | 9/16/2005 | 1381.17 | 2358.57 | 845.84 | 2 | 38.5-48.5 | Moraga |
| 7-94-3 | 2 | 5/13/1994 | | 267 | 2705.26 | 882.88 | 2 | 22.5-42.5 | Orinda |
| 77-94-5 | 5 | 5/9/1994 | | -53.24 | 3604.82 | 878.96 | 2 | 43.5-63.5 | Orinda |
| 77-94-6 | 5 | 5/5/1994 | | -67.94 | 3722.2 | 876.76 | 2 | 40.5-60.5 | Orinda |
| 74-94-7 | 11 | 4/28/1994 | | -508.66 | 5233.24 | 819.82 | 2 | 33.5-43.5 | San Pablo (?) |
| 74-94-8 | 11 | 5/10/1994 | | -594.5 | 5343.25 | 815.74 | 2 | 20-30 | Col/Alluv/San Pablo (?) |
| 37-94-9 | 14 | 5/12/1994 | 9/9/2005 | -228.55 | 2682.42 | 856.51 | 2 | 24-44 | Orinda/Great Valley |
| 52-94-10 | 10 | 10/17/1994 | 9/20/2005 | 465.38 | 2859.99 | 906.04 | 2 | 47-67 | Moraga/Orinda |
| 51-94-11 | 1 | 10/18/1994 | 9/16/2005 | 1194.70 | 2263.64 | 756.83 | 4 | 8-18 | Moraga/Orinda |
| 25-94-12 | 10 | 10/14/1994 | | 24.60 | 3021.73 | 937.59 | 2 | 26-46 | Moraga/Orinda |
| 16-94-13 | 10 | 10/11/1994 | | 253.46 | 2762.79 | 892.50 | 2 | 22-42 | Orinda |
| 58A-94-14 | 7 | 10/4/1994 | | 424.85 | 2457.65 | 821.73 | 2 | 21-41 | Moraga/Orinda |
| 51-94-15 | 7 | 11/7/1994 | | 625.97 | 2264.47 | 771.17 | 4 | 30-40 | Orinda |
| 46-94-16 | 9 | 11/7/1994 | 9/19/2002 | 906.27 | 2300.02 | 756.16 | 2 | | 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 | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 71-95-1 | 1 | 4/11/1995 | 9/17/2002 | 1479.30 | 2335.13 | 846.94 | 2 | | Moraga |
| 52-95-2A | 10 | 8/29/1995 | | 372.05 | 2864.37 | 910.27 | 2 | 34.5-44.5 | Moraga |
| 52-95-2B | 10 | 8/29/1995 | | 372.19 | 2864.56 | 910.23 | 2 | 65-110 | Moraga/Orinda |
| 16-95-3 | 10 | 4/18/1995 | | 45.73 | 2787.74 | 901.52 | 2 | 23-30 | Moraga/Orinda |
| 25A-95-4 | 10 | 4/20/1995 | 9/19/2005 | 219.82 | 3033.97 | 938.35 | 2 | 28-48 | Orinda |
| 25-95-5 | 10 | 8/22/1995 | | -154.47 | 3091.60 | 932.88 | 2 | 69-94 | Moraga/Orinda |
| 74-95-6 | 11 | 7/14/1995 | | -354.67 | 5334.83 | 838.66 | 4 | 35-50 | San Pablo (?) |
| 83-95-7 | 11 | 7/14/1995 | 9/27/2005 | -285.14 | 5246.70 | 840.75 | 4 | 36-46 | San Pablo (?) |
| 71-95-8 | 1 | 4/13/1995 | 9/16/2005 | 1298.86 | 2549.05 | 839.09 | 2 | 29-49 | Orinda |
| 71-95-9 | 1 | 4/14/1995 | | 1249.27 | 2662.35 | 854.18 | 2 | 23.5-38.5 | Artificial Fill/Colluvium |
| 58-95-11 | 7 | 5/15/1995 | | 296.22 | 2512.06 | 831.62 | 4 | 8.5-28.5 | Moraga/Orinda |
| 53-95-12 | 2 | 7/19/1995 | | 360.87 | 2616.60 | 867.45 | 1 | 35-50 | Moraga/Orinda |
| 52B-95-13 | 10 | 7/21/1995 | | 282.76 | 2732.91 | 887.40 | 1 | 16-31 | Moraga/Orinda |
| 6-95-14 | 2 | 8/15/1995 | | 184.75 | 2631.08 | 881.43 | 4 | 22-67 | Moraga/Orinda |
| 25A-95-15 | 10 | 8/3/1995 | | 148.22 | 2960.59 | 931.68 | 2 | 29-49 | Orinda |
| 62-95-16 | 13 | 8/4/1995 | 9/20/2005 | -972.38 | 4088.45 | 741.06 | 4 | 18.5-33.5 | Great Valley |
| 51-95-17 | 9 | 2/12/1996 | 11/18/2002 | 913.86 | 2272.51 | 744.67 | 2 | 22-37 | Orinda |
| 58-95-18 | 7 | 8/9/1995 | | 471.88 | 2401.55 | 788.61 | 4 | 7.5-17.5 | Colluvium/Moraga/Orinda |
| 58-95-19 | 7 | 9/13/1995 | | 395.42 | 2562.55 | 834.33 | 1 | 20.5-30.5 | Orinda |
| 58-95-20 | 7 | 8/8/1995 | | 494.26 | 2517.86 | 818.81 | 2 | 14.5-34.5 | Moraga/Orinda |
| 7B-95-21 | 2 | 8/11/1995 | | 283.95 | 2679.19 | 883.63 | 4 | 13.5-38.5 | Moraga/Orinda |
| 7-95-22 | 2 | 8/10/1995 | | 278.23 | 2659.08 | 882.16 | 4 | 13.5-38.5 | Moraga |
| 7-95-23 | 2 | 12/22/1995 | | 285.15 | 2659.67 | 882.37 | 4 | 43-53 | Moraga/Orinda |
| 7B-95-24 | 2 | 12/18/1995 | | 318.75 | 2655.51 | 883.88 | 4 | 53-73 | Moraga/Orinda |
| 7B-95-25 | 2 | 12/13/1995 | | 274.27 | 2634.08 | 882.03 | 2 | 24-44 | Moraga |
| 25-95-26 | 10 | 4/29/1996 | | -54.01 | 3139.20 | 935.81 | 2 | 38-58 | Moraga |
| 25-95-27 | 10 | 12/20/1995 | | -327.09 | 3045.68 | 859.83 | 2 | 19.5-34.5 | Orinda |
| 53-96-1 (MW91-7) | 2 | 4/19/1996 | | 344.37 | 2682.54 | 887.64 | 4 | 67-82 | Moraga/Orinda |
| 4-96-2 | 10 | 4/17/1996 | 9/13/2005 | -84.00 | 2889.05 | 912.64 | 2 | 45-65 | Orinda |
| 51-96-3 | 9 | 4/23/1996 | | 546.48 | 2240.66 | 766.44 | 4 | | 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 | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 88-96-4 | 6 | 4/26/1996 | 9/6/2005 | 968.53 | 1105.35 | 594.25 | 2 | 46.5-66.5 | Great Valley |
| 70A-96-5 | 8 | 4/15/1996 | 11/13/2002 | 370.50 | 1757.93 | 762.68 | 4 | 15-30 | Great Valley |
| 70A-96-6 | 8 | 4/16/1996 | 11/13/2002 | 334.24 | 1764.19 | 762.67 | 4 | 20-40 | Great Valley |
| 46-96-10 | 7 | 11/4/1996 | | 886.68 | 2397.81 | 790.35 | 2 | 22-37 | Moraga |
| 58-96-11 | 2 | 6/11/1996 | | 350.19 | 2588.64 | 848.23 | 2 | 15-40 | Moraga/Orinda |
| 58-96-12 | 7 | 12/4/1996 | 9/16/2002 | 295.46 | 2508.67 | 831.84 | 4 | 2-7 | Fill/Moraga |
| 70A-96-13 | 8 | 9/24/1996 | 9/7/2005 | 292.97 | 1511.04 | 711.87 | 2 | 111-141 | Great Valley |
| 70A-96-14 | 8 | 9/24/1996 | 9/8/2005 | 392.41 | 1498.87 | 716.64 | 2 | 112-142 | Great Valley |
| 51-96-15 | 9 | 9/26/1996 | | 1004.38 | 2109.8 | 709.83 | 2 | 20-40 | Orinda |
| 51-96-16 | 9 | 9/25/1996 | | 1054.3 | 2095.66 | 709.72 | 2 | 10-30 | Artificial Fill |
| 51-96-17 | 9 | 9/25/1996 | | 1054.56 | 2093.45 | 709.64 | 2 | 35-55 | Orinda |
| 51-96-18 | 9 | 9/27/1996 | | 1126.37 | 2170.13 | 710.76 | 2 | 6-16 | Orinda |
| 51-96-19 | 9 | 9/27/1996 | 9/12/2005 | 1066.52 | 2184.14 | 709.40 | 2 | 5-15 | Artificial Fill |
| 75-96-20 | 3 | 2/13/1997 | | 487.72 | 3762.28 | 979.07 | 2 | 24.5-49.5 | Orinda ? |
| 64-97-1 | 9 | 5/20/1997 | | 1194.82 | 2167.79 | 709.94 | 2 | 4.5-24.5 | Orinda |
| 64-97-2 | 9 | 5/20/1997 | | 1142.40 | 2085.16 | 709.65 | 2 | 9-29 | Orinda |
| 51-97-3 | 9 | 6/3/1997 | | 1102.96 | 1902.48 | 709.81 | 2 | 54.5-74.5 | Artificial Fill |
| 51-97-4 | 9 | 6/25/1997 | 9/15/2005 | 1101.16 | 1902.01 | 709.66 | 2 | 89-104 | Orinda |
| 75-97-5 | 3 | 7/19/1997 | | 232.73 | 3768.01 | 963.73 | 2 | 39-69 | Orinda |
| 75-97-6 | 3 | 5/22/1997 | | 262.75 | 3819.22 | 967.89 | 4 | 53.5-73.5 | Orinda |
| 75-97-7 | 3 | 6/9/1997 | | 253.44 | 3870.26 | 970.70 | 2 | 58.5-78.5 | Orinda |
| 69-97-8 | 3 | 9/13/1997 | | 255.05 | 3921.16 | 975.75 | 2.25 | 50-70 | Colluvium/Orinda |
| 77-97-9 | 5 | 6/4/1997 | | 76.53 | 3753.30 | 888.69 | 2 | 19-49 | Colluvium/Orinda |
| 77-97-10 | 5 | 5/21/1997 | 9/18/2002 | -91.93 | 3871.35 | 877.73 | 2 | 32-52 | Colluvium/Orinda |
| 77-97-11 | 5 | 6/24/1997 | | -205.88 | 3749.71 | 814.67 | 2 | 22.5-42.5 | Colluvium/Orinda |
| 51-97-12 | 9 | 9/2/1997 | | 1109.18 | 1904.55 | 709.37 | 2 | 29.5-49.5 | Artificial Fill |
| 51-97-13 | 9 | 9/11/1997 | | 1196.36 | 1901.98 | 709.48 | 2 | 48-68 | Artificial Fill |
| 51-97-14 | 9 | 9/10/1997 | | 1020.26 | 1883.14 | 708.89 | 2 | 44-64 | Artificial Fill |
| 51-97-15 | 9 | 9/12/1997 | | 1155.18 | 1803.16 | 706.11 | 2 | 88-108 | Artificial Fill |
| 51-97-16 | 9 | 9/9/1997 | 3/17/2005 | 875.26 | 1917.64 | 709.58 | 2 | 14.5-34.5 | Art. Fill/Great Valley |

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

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 31-97-17 | 5 | 9/5/1997 | | -459.67 | 3738.68 | 746.15 | 2 | 21.5-31.5 | Colluvium |
| 31-97-18 | 5 | 9/4/1997 | | -480.52 | 3779.68 | 747.80 | 2 | 39.5-59.5 | Colluvium/Great Valley |
| 78-97-20 | 4 | 10/10/1997 | | 298.21 | 3429.47 | 949.54 | 2 | 14-34 | Orinda |
| 69-97-21 | 3 | 9/23/1997 | | 471.24 | 3985.45 | 1003.4 | 2 | 18.5-38.5 | Orinda |
| 76-97-22 | 4 | 10/17/1997 | 9/25/2002 | 165.14 | 3545.94 | 937.91 | 2 | 25-45 | Colluvium/Orinda |
| 71-97-23 | 1 | 9/8/1997 | 9/15/2005 | 1221.62 | 2469.83 | 844.45 | 2 | 39.5-59.5 | Artificial Fill/Orinda |
| 25A-98-1 | 10 | 4/23/1998 | | 99.79 | 2986.86 | 936.88 | 2 | 30-50 | Orinda |
| 56-98-2 | 9 | 4/24/1998 | | 1264.86 | 1887.99 | 709.76 | 2 | 35-55 | Artificial Fill/Orinda |
| 25A-98-3 | 10 | 4/21/1998 | | 175.76 | 3027.87 | 940.14 | 2 | 25-45 | Orinda |
| 64-98-4 | 9 | 4/20/1998 | 3/15/2000 | 1133.05 | 2172.54 | 711.12 | 2 | 5-15 | Orinda |
| 51-98-5 | 9 | 5/8/1998 | 8/10/2006 | 951.70 | 1922.10 | 709.63 | 2 | 30-50 | Colluvium |
| 25A-98-6 | 10 | 10/2/1998 | 8/10/2006 | 134.29 | 3091.47 | 939.90 | 2 | 20.5-40.5 | Moraga/Orinda |
| 25A-98-7 | 10 | 9/1/1998 | | 140.51 | 3001.67 | 942.71 | 2 | 19-34 | Orinda |
| 52A-98-8A | 10 | 9/16/1998 | | 339.79 | 2883.49 | 913.56 | 2 | 23-33 | Colluvium |
| 52A-98-8B | 10 | 9/17/1998 | | 339.86 | 2883.73 | 913.51 | 2 | 60-80 | Moraga |
| 52-98-9 | 10 | 9/11/1998 | | 377.44 | 2864.09 | 910.86 | 2 | 60-80 | Moraga |
| 25-98-10 | 10 | 9/12/1998 | | -105.23 | 3087.97 | 934.42 | 2 | 70-90 | Moraga/Orinda |
| 46A-98-11 | 1 | 11/3/1998 | 11/16/2002 | 1049.68 | 2422.42 | 813.66 | 2 | 54-74 | Orinda |
| 71B-98-13 | 1 | 9/23/1998 | | 1202.90 | 2583.97 | 832.33 | 2 | 15-30 | Artificial Fill/Orinda |
| 75-98-14 | 3 | 9/17/1998 | | 436.14 | 3711.28 | 977.94 | 2 | 20-35 | Orinda |
| 75-98-15 | 3 | 9/21/1998 | | 479.95 | 3640.78 | 977.97 | 2 | 20-35 | Orinda |
| 75-98-16 | 3 | 10/12/1998 | 9/16/2002 | 603.26 | 3451.27 | 1074.19 | 2 | 69-89 | Orinda |
| 31-98-17 | 5 | 9/14/1998 | | -719.39 | 3709.06 | 693.47 | 2 | 50-60 | Colluvium |
| 63-98-18 | 15 | 9/15/1998 | | 1352.18 | 1819.94 | 709.99 | 2 | 20-35 | Artificial Fill |
| 64-98-19 | 9 | 2/1/1999 | 3/15/2000 | 1130.56 | 2178.51 | 711.11 | 2 | 21-26 | Orinda |
| 64-98-20 | 9 | 4/30/1999 | 8/2000 | 1133.29 | 2180.09 | 710.98 | 2 | 9.5-14.5 | Orinda |
| 76-98-21 | 4 | 9/25/1998 | | 137.79 | 3352.42 | 923.20 | 2 | 15-35 | Orinda |
| 76-98-22 | 4 | 12/18/1998 | | 72.85 | 3375.83 | 904.57 | 2 | 19-39 | Orinda |
| 51-99-1 | 9 | 5/1/1999 | | 679.33 | 1978.83 | 724.44 | 2 | 25-35 | Great Valley |
| 25A-99-2 | 10 | 5/1/1999 | | 137.70 | 3037.07 | 940.45 | 2 | 20-30 | 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 | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| 71B-99-3 | 1 | 7/6/1999 | 10/2000 | 1179.35 | 2637.78 | 843.21 | 2 | 20-30 | Orinda |
| 71B-99-3R | 1 | 4/5/2001 | | 1178.62 | 2629.15 | 840.13 | 4 | 24-34 | Orinda |
| 75-99-4 | 3 | 7/20/1999 | 8/10/2006 | 462.42 | 3665.77 | 977.90 | 2 | 19.5-34.5 | Orinda |
| 25A-99-5 | 10 | 7/19/1999 | 9/23/2005 | 166.42 | 3062.06 | 940.16 | 2 | 24-44 | Orinda |
| 75-99-6 | 3 | 11/19/1999 | | 519.69 | 3687.82 | 979.94 | 2 | 15.5-25.5 | Orinda |
| 75-99-7 | 3 | 11/19/1999 | | 463.30 | 3749.60 | 977.92 | 2 | 14-24 | Artificial Fill/Orinda |
| 75-99-8 | 3 | 12/6/1999 | | 502.05 | 3669.34 | 979.34 | 2 | 20-30 | Orinda |
| 51-00-1 | 9 | 2/5/2000 | 9/7/2005 | 690.86 | 2162.65 | 725.28 | 2 | 20-25 | Orinda |
| 71B-00-2 | 1 | 3/20/2000 | 8/10/2006 | 1197.37 | 2587.90 | 832.41 | 2 | 45-60 | Orinda |
| 58A-00-3 | 7 | 5/17/2000 | 8/10/2006 | 415.38 | 2454.06 | 822.54 | 2 | 69-84 | Orinda |
| 7-00-4 | 2 | 5/17/2000 | | 294.69 | 2658.33 | 883.18 | 2 | 84-99 | Orinda |
| 25A-00-5 | 10 | 5/17/2000 | 8/10/2006 | 139.64 | 2965.28 | 933.12 | 2 | 68-83 | Orinda |
| 52A-00-6 | 10 | 5/17/2000 | 8/11/2006 | 321.30 | 2911.46 | 917.34 | 2 | 105-120 | Orinda |
| 75A-00-7 | 3 | 1/5/2001 | | 469.39 | 3758.40 | 978.32 | 2 | 115-145 | Orinda |
| 51-00-8 | 9 | 9/7/2000 | | 1095.81 | 1806.71 | 682.11 | 2 | 20-40 | Artificial Fill/Orinda |
| 51-00-9 | 9 | 10/2/2000 | | 1008.33 | 2177.85 | 698.16 | 2 | 5-10 | Orinda |
| 51-00-10 | 9 | 10/3/2000 | | 988.59 | 2177.76 | 698.18 | 2 | 5-10 | Orinda |
| 69A-00-11 | 3 | 9/8/2000 | 9/19/2005 | 321.66 | 3943.67 | 977.05 | 2 | 19.5-39.5 | Orinda |
| 58-00-12 | 7 | 10/5/2000 | | 326.88 | 2607.24 | 860.62 | 2 | 38-59 | Orinda/Mixed Unit |
| 51L-01-1A | 9 | 7/23/2001 | | 864.13 | 1878.36 | 710.04 | 2 | 4-9 | Artificial Fill/Colluvium |
| 51L-01-1B | 9 | 7/23/2001 | | 863.88 | 1878.37 | 710.04 | 2 | 15-30 | Great Valley |
| 51L-01-3 | 9 | 12/20/2001 | 9/2006 | 896.88 | 1893.03 | 709.54 | 2 | 34.5-49.5 | Great Valley |
| 51L-01-4 | 9 | 7/23/2001 | 9/2006 | 915.93 | 1884.49 | 709.87 | 2 | 30-45 | Great Valley |
| 51L-01-5A | 9 | 7/16/2001 | | 936.13 | 1908.95 | 709.96 | 2 | 18-33 | Artificial Fill/Colluvium |
| 51L-01-5B | 9 | 7/16/2001 | | 936.09 | 1908.62 | 709.94 | 2 | 48.5-63.5 | Great Valley |
| 51L-01-6 | 9 | 7/18/2001 | | 911.02 | 1931.44 | 709.80 | 2 | 20-30 | Artificial Fill/Colluvium |
| 51L-01-7 | 9 | 7/17/2001 | | 906.47 | 1931.41 | 709.76 | 2 | 60-75 | Great Valley |
| 51A-01-10A | 9 | 10/3/2001 | 9/14/2005 | 814.28 | 1900.05 | 709.78 | 2 | 15-30 | Great Valley |
| 51A-01-11 | 9 | 9/28/2001 | | 841.85 | 1941.48 | 709.74 | 2 | 30-45 | Great Valley |
| 51L-02-1 | 9 | 1/11/2002 | 8/25/2006 | 921.03 | 1871.48 | 709.74 | 2 | 20-30 | Artificial Fill/Colluvium/Great Valley |

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

| Location ID | Area | Completion Date | Abandonment Date | UC Grid North Coordinate | UC Grid East Coordinate | Top of Casing Elevation (ft above MSL) | Casing Diameter (inches) | Approximate Screened Interval (ft below TOC) | Screened Formation Name |
|---|---|---|---|---|---|---|---|---|---|
| Soil Gas Wells | | | | | | | | | |
| 74-95-6 | 11 | 7/14/1995 | | | | | 1 | 15-20 | San Pablo (?) |
| 83-95-7 | 11 | 7/14/1995 | | | | | 1 | 25-30 | San Pablo (?) |
| 71-95-10 | 1 | 4/17/1995 | 9/15/2005 | | | | 3/4" | 9.9-10.4 | Artificial Fill |
| | | | | | | | 3/4" | 20.1-20.6 | Artificial Fill |
| | | | | | | | 3/4" | 32.7-33.2 | Artificial Fill |

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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | Mar-97 |
| **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 | <1 |
| n-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 |
| 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 | <1 |
| Isopropylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 |
| 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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 |
| 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 | <1 |
| Bromoform | 80 | <10 | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 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 | <1 |
| Chloroethane | | <5 | <2 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.1 | 0.7 | 0.96 | <30 | <30 | <30 | <30 | <30 | 0.60 | <30 |
| 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 |
| 1,1-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 |
| 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 | <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 | <0.5 | <1 |
| 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 | 13.0 | 5.1 |
| 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 | 1.1 |
| 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 | <1 |
| Methylene Chloride | 5 | <5 | <2 | <5 | <1 | <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 | <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 |
| 1,1,1-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 |
| 1,1,2-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 | <1 |
| 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 | <1 |
| 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 | <2 |
| 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 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 19.3 | 21.0 | 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 | 12.0 | 3.8 |
| Total Halogenated Hydrocarbons | | 19.3 | 25.8 | 11.7 | 7.2 | 4.4 | 9.9 | 10.0 | 13.7 | 20.5 | 18.9 | 13.68 | 6.95 | 16.36 | 18.6 | 41.0 | 27.2 | 22.4 | 25.1 | 29.4 | 10.0 |
| Total Concentration of VOCs | | 19.3 | 25.8 | 11.7 | 7.2 | 4.4 | 9.9 | 10.0 | 13.7 | 20.5 | 18.9 | 13.7 | 7.0 | 17.6 | 18.6 | 41.0 | 27.2 | 22.4 | 25.1 | 29.4 | 10.0 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-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 | <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 | <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 | 1.2 | <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 | | | | | | 1.2 | | | | | | | | | | | | | | | |
| **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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | 7.4 | 5.7 | 8.3 | 10.7 | 1.2 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 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 | <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 | 2.2 | <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 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 |
| Freon-11 | 150 | <2 | <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 | <1 |
| Freon-123A | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 7.2 | 6.3 | 11.0 | 9.5 | <1 | 1.2 | 3.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 16.0 | 13.4 | 21.0 | 21.3 | 1.2 | 4.6 | 6.7 | | | | | 1.4 | 1.2 | 1.0 | | 1.0 | 1.1 | 1.3 | | |
| Total Concentration of VOCs | | 16.0 | 13.4 | 21.0 | 21.3 | 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) | | | 51-96-15 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Jul-06 | Jul-07 | Jan-97 | (D)* | Apr-97 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <9 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <9 | <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 Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 4.4 | <9 | 1.2 | <1 | <1 | <1 | 1.3 | <1 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <20 | <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 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 383.0 | 400.0 | 35.3 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | 49.5 | 46.0 | 6.3 | 3.5 | 5.6 | 4.9 | 10.0 | 2.5 | 2.5 | 11.8 | 3.8 | 7.0 | 2.4 | 9.1 | 5.0 | 9.3 | 4.2 |
| Freon-11 | 150 | <2 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 436.9 | 446.0 | 42.8 | 13.2 | 6.7 | 8.1 | 12.5 | 6.2 | 6.4 | 14.2 | 6.8 | 8.3 | 3.8 | 9.1 | 7.2 | 10.8 | 5.6 |
| Total Concentration of VOCs | | | | | 436.9 | 446.0 | 42.8 | 13.2 | 6.7 | 8.1 | 12.5 | 6.2 | 6.4 | 14.2 | 6.8 | 8.3 | 3.8 | 9.1 | 7.2 | 10.8 | 5.6 |

# 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) | | | | | | | | | | 51-96-16 (semi-annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Aug-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Jan-07 | Jul-07 | Jan-97 | (D)* | Jun-97 ^ | Jul-97(G) | Aug-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <9 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Chloroethane | | <1 | <0.5 | <1 | <1 | <1 | <1 | <30 | <30 | <30 | <30 | <30 | <9 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 21.8 | 20.0 | <1 | 14.9 | 13.8 | 17.2 | 34.4 | 29.0 | 17.3 | 25.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <9 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 15.7 | 16.0 | <1 | 8.2 | 8.3 | 29.4 | 22.6 | 16.2 | <10 | 10.1 |
| cis-1,2-Dichloroethene | 6 | 1.0 | <0.5 | <1 | 1.7 | 3.4 | 3.5 | <1 | <1 | <1 | <1 | 455.0 | 380.0 | <1 | 258.0 | 228.0 | 277.0 | 479.0 | 353.0 | 338.0 | 319.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 51.1 | 39.0 | <1 | 34.2 | 30.3 | <1 | 64.7 | 49.5 | 25.0 | 29.4 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | <1 | 1.6 | 5.9 | 2.1 | 3.7 | 1.9 | 3.8 | 3.0 | 2.0 | 2.4 | 26.9 | 24.0 | <1 | 13.7 | 14.6 | 20.3 | 30.2 | 20.8 | 16.7 | 16.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Trichloroethene | 5 | 7.1 | 3.7 | 4.5 | 6.5 | 11.2 | 9.0 | 6.6 | 5.2 | 3.4 | 3.9 | 194.0 | 160.0 | <1 | 101.0 | 87.6 | 131.0 | 225.0 | 154.0 | 114.0 | 121.0 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <9 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 73.0 | 66.0 | <1 | 73.1 | 68.5 | 37.3 | 104.0 | 58.0 | 29.7 | 34.1 |
| Total Halogenated Hydrocarbons | | 8.1 | 5.3 | 10.4 | 10.3 | 18.3 | 14.4 | 10.4 | 8.2 | 5.4 | 6.3 | 837.5 | 705.0 | | 503.1 | 451.1 | 512.2 | 959.9 | 680.5 | 540.7 | 554.8 |
| Total Concentration of VOCs | | 8.1 | 5.3 | 10.4 | 10.3 | 18.3 | 14.4 | 10.4 | 8.2 | 5.4 | 6.3 | 837.5 | 705.0 | | 503.1 | 451.1 | 512.2 | 959.9 | 680.5 | 540.7 | 554.8 |

# 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) 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 | Mar-05 | Mar-05 | Mar-05 | Apr-05 | Apr-05 | May-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | 1.9 | 2.3 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <3 | <0.5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <5 | <1 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 1.9 | 2.3 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <3 | <0.5 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <0.5 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 21.4 | 22.2 | 54.5 | 45.7 | 46.8 | 34.3 | 25.1 | 17.5 | 18.0 | 10.0 | 22.0 | 20.7 | <10 | 12.7 | 12.6 | 12.2 | 11.5 | 12.5 | 12.9 | 11.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <3 | <0.5 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 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 | 5.9 | 6.0 | 6.0 | 5.3 | 6.3 | 4.8 |
| cis-1,2-Dichloroethene | 6 | 352.0 | 367.0 | 362.0 | 350.3 | 305.0 | 301.9 | 259.3 | 234.0 | 226.0 | 170.0 | 180.0 | 455.0 | 163.0 | 183.0 | 243.0 | 279.0 | 226.0 | 250.0 | 263.0 | 269.0 |
| trans-1,2-Dichloroethene | 10 | 26.5 | 36.9 | 53.9 | 21.5 | 36.2 | 21.0 | 27.6 | 27.4 | 23.6 | 25.0 | 27.0 | 42.4 | <10 | 26.7 | 24.0 | 24.3 | 20.5 | 23.8 | 29.9 | 28.2 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 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 | 6.0 | 5.6 | 5.6 | 5.0 | 5.7 | 5.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 111.0 | 134.0 | 146.0 | 81.3 | 109.1 | 101.3 | 97.6 | 74.6 | 82.6 | 40.0 | 89.0 | 130.0 | 39.4 | 73.3 | 78.8 | 76.4 | 68.8 | 63.3 | 72.3 | 56.4 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 34.7 | 58.1 | 92.8 | 14.2 | 53.1 | 5.2 | 34.8 | 31.1 | 37.9 | 39.0 | 12.0 | 23.6 | <10 | 24.2 | 18.3 | 17.6 | 15.8 | 15.9 | 25.1 | 17.1 |
| Total Halogenated Hydrocarbons | | 566.4 | 642.6 | 751.3 | 530.5 | 572.2 | 482.5 | 444.4 | 396.6 | 407.1 | 302.6 | 347.2 | 682.3 | 202.4 | 331.5 | 388.6 | 421.1 | 354.2 | 375.8 | 415.2 | 392.1 |
| Total Concentration of VOCs | | 566.4 | 642.6 | 751.3 | 530.5 | 572.2 | 482.5 | 444.4 | 396.6 | 407.1 | 302.6 | 347.2 | 682.3 | 202.4 | 331.5 | 388.6 | 423.0 | 356.5 | 375.8 | 415.2 | 392.1 |

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

| Constituent | MCL | 51-96-16 (Cont'd) 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 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Mar-06 | Apr-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 12.5 | 11.9 | 9.7 | 10.3 | 10.0 | 8.2 | 8.8 | 10.0 | 10.4 | 9.3 | 10.7 | 9.9 | 9.9 | 9.6 | 10.0 | 9.6 | 9.7 | 6.7 | 8.1 | 7.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 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 | 4.7 | 4.1 | 5.1 | 5.0 | 2.7 | 3.2 | <1 |
| cis-1,2-Dichloroethene | 6 | 253.0 | 283.0 | 207.0 | 267.0 | 188.0 | 184.0 | 209.0 | 170.0 | 196.0 | 170.0 | 184.0 | 169.0 | 189.0 | 225.0 | 200.0 | 228.0 | 179.0 | 153.0 | 166.0 | 146.0 |
| trans-1,2-Dichloroethene | 10 | 22.5 | 30.8 | 25.6 | 27.8 | 18.7 | 20.8 | 19.8 | 23.0 | 18.9 | 19.1 | 22.9 | 25.3 | 25.1 | 25.7 | 24.0 | 28.7 | 28.5 | 16.8 | 26.9 | 24.8 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 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 | 2.4 | 4.1 | 3.2 | 2.2 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 41.8 | 39.1 | 33.5 | 37.9 | 40.0 | 24.3 | 37.1 | 35.0 | 57.4 | 31.0 | 40.1 | 38.8 | 35.6 | 42.2 | 55.0 | 56.1 | 40.9 | 17.0 | 28.2 | 20.4 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 11.4 | 23.7 | 18.6 | 22.0 | 13.1 | 22.3 | 15.6 | 19.0 | 8.5 | 13.9 | 17.4 | 19.1 | 19.8 | 17.8 | 21.0 | 19.2 | 19.1 | 13.8 | 21.7 | 16.8 |
| Total Halogenated Hydrocarbons | | 350.3 | 397.1 | 301.2 | 372.1 | 277.2 | 263.5 | 297.0 | 262.9 | 300.5 | 248.7 | 281.7 | 268.6 | 285.3 | 327.4 | 318.2 | 349.9 | 284.4 | 210.0 | 254.1 | 215.4 |
| Total Concentration of VOCs | | 350.3 | 397.1 | 301.2 | 372.1 | 277.2 | 263.5 | 297.0 | 262.9 | 300.5 | 248.7 | 281.7 | 268.6 | 285.3 | 327.4 | 318.2 | 349.9 | 284.4 | 210.0 | 254.1 | 215.4 |

# 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 (well is on annual sampling) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Jul-07 | Aug-07 | Sep-07*≈ | Jan-97 | (D)* | May-97 | Aug-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | 0.57 | <1 | <1 | <1 | <1 | <1 | 0.75 | <1 | <1 | <1 | 1.1 | 1.2 | 1.3 | <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 | <0.5 | <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 | <1 | <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 | <1 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <1 | <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 | 0.55 | <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 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | 0.57 | | | | | | 1.30 | | | | 1.1 | 1.2 | 1.30 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | 1.2 | <30 | <30 | <30 | <30 | <30 | 1.2 | <30 | <30 | <30 | <30 | <30 | 1.1 | <30 | <1 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 7.8 | 6.4 | 7.7 | 6.0 | 6.3 | 3.8 | 4.6 | 4.6 | 4.1 | 4.7 | 2.4 | 3.1 | 2.7 | 2.3 | 1.9 | 1.5 | 9.1 | 9.1 | 8.4 | 7.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.8 | 2.0 | 2.1 | 2.0 | 1.9 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | 0.78 | 3.7 | 4.7 | 3.8 | 3.2 |
| cis-1,2-Dichloroethene | 6 | 124.0 | 136.0 | 137.0 | 100.0 | 121.0 | 83.5 | 44.1 | 62.5 | 61.7 | 71.0 | 36.8 | 54.3 | 40.5 | 33.1 | 36.6 | 29.0 | 46.7 | 42.0 | 39.6 | 24.7 |
| trans-1,2-Dichloroethene | 10 | 24.8 | 24.2 | 27.4 | 24.0 | 23.9 | 15.9 | 23.7 | 22.6 | 23.3 | 27.0 | 14.6 | 26.2 | 23.7 | 25.2 | 21.8 | 21.0 | 35.2 | 26.0 | 27.6 | 24.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <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 | <2 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.1 | <1 | 1.8 | 1.2 | <1 | <1 | <1 | <1 | <1 | 0.84 | <1 | <1 | <1 | <1 | <1 | <0.5 | 9.3 | 10.0 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.5 | 2.1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21.1 | 18.7 | 31.6 | 19.0 | 21.8 | 10.7 | 11.4 | 7.3 | 15.1 | 18.0 | 7.3 | 10.9 | 8.5 | 5.2 | 4.7 | 4.6 | 35.6 | 30.0 | 21.4 | 20.1 |
| Freon-11 | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | 18.3 | 27.8 | 16.1 | 20.0 | 20.8 | 17.6 | 9.3 | 15.5 | 14.4 | 14.0 | 8.3 | 15.8 | 11.0 | 13.6 | 10.6 | 12.0 | 35.6 | 37.0 | 18.2 | 43.7 |
| Total Halogenated Hydrocarbons | | 198.9 | 215.1 | 223.7 | 173.4 | 195.7 | 131.5 | 93.1 | 112.5 | 118.6 | 138.5 | 69.4 | 110.3 | 86.4 | 79.4 | 75.6 | 69.98 | 176.7 | 160.9 | 119.0 | 123.3 |
| Total Concentration of VOCs | | 198.9 | 215.1 | 223.7 | 174.0 | 195.7 | 131.5 | 93.1 | 112.5 | 118.6 | 177.8 | 69.4 | 110.3 | 86.4 | 80.5 | 76.8 | 155.3 | 176.7 | 160.9 | 119.0 | 123.3 |

# 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) 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 | Mar-05 | Mar-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <0.5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 | <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 | <5 | <5 | <5 | <0.5 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <0.5 | <1 | <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 | <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 |
| 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 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 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 | 5.4 | 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 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <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 | 3.6 | 3.4 |
| cis-1,2-Dichloroethene | 6 | 10.4 | 37.8 | 35.0 | 40.6 | 23.0 | 19.3 | 14.4 | 19.2 | 78.4 | 46.2 | 31.7 | 22.1 | 18.8 | 23.0 | 54.0 | 43.0 | 79.6 | 111.0 | 127.0 | 128.0 |
| trans-1,2-Dichloroethene | 10 | 6.0 | 32.5 | 32.6 | 28.4 | 19.7 | 15.6 | 12.5 | 22.8 | 44.8 | 35.0 | 34.4 | 21.7 | 19.1 | 25.0 | 31.6 | 23.4 | 33.4 | 39.5 | 42.9 | 41.2 |
| 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 |
| 1,1,2,2-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 | 6.2 | 29.5 | 20.0 | 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 | 15.9 | 14.5 |
| Freon-11 | 150 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 45.6 | 52.5 | 70.0 | 27.9 | 21.1 | 6.2 | 30.8 | 103.5 | 68.4 | 36.8 | 30.1 | 14.2 | 26.0 | 21.5 | 18.8 | 34.9 | 28.9 | 24.8 | 24.1 |
| Total Halogenated Hydrocarbons | | 27.1 | 158.1 | 150.1 | 165.9 | 91.2 | 73.4 | 46.1 | 92.5 | 255.4 | 175.2 | 129.4 | 90.7 | 66.5 | 88.6 | 122.5 | 98.5 | 167.6 | 200.0 | 219.6 | 216.3 |
| Total Concentration of VOCs | | 27.1 | 158.1 | 150.1 | 165.9 | 91.2 | 73.4 | 46.1 | 92.5 | 255.4 | 175.2 | 129.4 | 90.7 | 66.5 | 88.6 | 122.5 | 98.5 | 167.6 | 200.0 | 219.6 | 216.3 |

# 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) 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 | Dec-05* | Jan-06 | Jan-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <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 | <0.5 | <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 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <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 | <0.5 | <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 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 |
| Naphthalene | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <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 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 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 | 5.3 | 4.9 | 4.9 |
| 1,2-Dichloroethane | 0.5 | <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 | 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 | 2.7 | 3.4 | 2.7 |
| cis-1,2-Dichloroethene | 6 | 159.0# | 167.0 | 154.0 | 146.0 | 224.0 | 127.0 | 148.0 | 141.0 | 150.0 | 153.0 | 100.0 | 113.0 | 123.0 | 107.0 | 128.0 | 124.0 | 120.0 | 110.0 | 136.0 | 133.0 |
| trans-1,2-Dichloroethene | 10 | 48.6 | 46.9 | 59.3 | 48.6 | 50.7 | 34.9 | 46.5 | 43.3 | 44.7 | 48.3 | 44.0 | 36.0 | 40.9 | 35.1 | 43.9 | 39.6 | 44.3 | 44.0 | 48.5 | 44.4 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| 1,1,2,2-Tetrachloroethane | 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 | 0.64 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 15.2 | 14.6 | 17.0 | 15.9 | 16.3 | 10.4 | 15.3 | 14.0 | 15.5 | 14.6 | 15.0 | 11.8 | 13.6 | 9.9 | 13.6 | 12.9 | 13.1 | 16.0 | 15.4 | 13.8 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | 27.6 | 25.8 | 27.1 | 18.0 | 21.6 | 13.6 | 20.8 | 12.4 | 20.2 | 17.3 | 18.0 | 8.8 | 15.4 | 13.8 | 19.5 | 22.8 | 22.6 | 32.0 | 26.8 | 22.3 |
| Total Halogenated Hydrocarbons | | 260.1 | 259.7 | 267.6 | 237.8 | 322.4 | 190.3 | 238.9 | 216.2 | 238.7 | 241.9 | 185.54 | 173.7 | 200.2 | 172.3 | 213.0 | 206.7 | 207.7 | 210.0 | 235.0 | 221.1 |
| Total Concentration of VOCs | | 260.1 | 259.7 | 267.6 | 237.8 | 322.4 | 190.3 | 238.9 | 216.2 | 238.7 | 241.9 | 185.5 | 173.7 | 200.2 | 172.3 | 213.0 | 206.7 | 207.7 | 210.0 | 235.0 | 221.1 |

# 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) 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 | Jul-07 | Aug-07 | Sep-07* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or 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 | <0.5 |
| 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 | <0.5 | <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 | |
| 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 | <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 | <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 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | 0.56 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 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 | <1 | 0.94 |
| 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 | <0.5 |
| 1,1-Dichloroethene | 6 | 2.4 | 2.5 | 2.6 | 2.1 | 2.2 | 1.4 | 1.8 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 101.0 | 137.0 | 153.0 | 129.0 | 112.0 | 80.1 | 86.0 | 98.2 | 39.5 | 2.7 | 7.8 | 5.3 | 4.3 | 4.2 | 4.0 | 4.2 | 3.3 | 3.1 | 3.0 |
| trans-1,2-Dichloroethene | 10 | 34.4 | 42.4 | 47.2 | 42.1 | 40.1 | 31.0 | 29.0 | 33.7 | 19.9 | 6.7 | 8.9 | 5.9 | 6.3 | 5.1 | 4.5 | 3.8 | 3.5 | 2.5 | 3.1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 9.9 | 13.6 | 12.9 | 12.4 | 11.9 | 11.7 | 2.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | |
| Vinyl Chloride | 0.5 | 23.2 | 18.6 | 32.8 | 24.1 | 25.4 | 13.7 | 20.0 | 33.6 | 36.4 | 7.8 | 10.0 | 5.7 | 3.7 | 2.9 | 1.7 | 1.5 | 3.2 | 3.1 | 3.0 |
| Total Halogenated Hydrocarbons | | 174.8 | 219.0 | 253.6 | 214.3 | 196.3 | 141.6 | 142.5 | 168.8 | 98.6 | 19.8 | 27.9 | 16.9 | 15.7 | 12.2 | 10.2 | 9.5 | 10.0 | 8.7 | 10.0 |
| Total Concentration of VOCs | | 174.8 | 219.0 | 253.6 | 214.3 | 196.3 | 141.6 | 142.5 | 168.8 | 98.6 | 19.8 | 27.9 | 16.9 | 15.7 | 12.2 | 10.2 | 9.5 | 10.0 | 8.7 | 10.0 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-97 | (D)* | Feb-97 | Apr-97 | Aug-97 | Dec-97 | (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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <2 | <30 | <100 | <2 | <200 | <20 | <0.5 | <200 | <200 | <0.5 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <30 | <250 | <5 | <500 | <50 | <0.5 | <500 | <500 | <0.5 | <250 | <50 | <50 | <50 | <50 | <5 | <5 | <50 | <50 | <50 |
| Naphthalene | | <2 | <30 | <100 | <2 | <200 | <20 | <0.5 | <200 | <200 | <0.5 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | 1.1 | <10 | <10 | <10 |
| Toluene | 150 | <1 | <30 | <50 | <1 | <100 | <10 | 0.70 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <60 | <100 | <2 | <200 | <20 | <1 | <200 | <200 | <1 | <100 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | 0.70 | | | | | | | | | | 1.1 | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Bromoform | 80 | <2 | <30 | <100 | <2 | <200 | <20 | <0.5 | <200 | <200 | <1 | <100 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | 6.8 | 16.8 | 11.8 | <10 | <10 |
| Chloroethane | | <30 | <30 | <1500 | <30 | <3000 | <300 | 0.72 | <3000 | <3000 | <0.5 | <1500 | <300 | <300 | <300 | <300 | <30 | <30 | <300 | <300 | <300 |
| Chloroform | 80 | 2.0 | <30 | <50 | 2.0 | <100 | <10 | 0.77 | <100 | <100 | 0.60 | <50 | <10 | <10 | <10 | <10 | <3 | <3 | <30 | <30 | <30 |
| 1,1-Dichloroethane | 5 | 2,070 | 1,700 | 2,480 | 2,120 | 1,950 | 3,050 | 3,100 | 2,560 | 1,770 | 2,000 | 1,690 | 1,790 | 1,500 | 1,400 | 819.0 | 402.2 | 499.8 | 644.0 | 608.9 | 458.1 |
| 1,2-Dichloroethane | 0.5 | 28.2 | <30 | <100 | 26.8 | <200 | 38.3 | <0.5 | <200 | <200 | 25.0 | <100 | 24.0 | <20 | <20 | 15.3 | 7.0 | 7.7 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 330.0 | 390.0 | 489.0 | 419.0 | 309.0 | 585.0 | 730.0 | 503.0 | 397.0 | 500.0 | 236.0 | 405.0 | 216.0 | 212.0 | 209.0 | 108.7 | 103.3 | 105.3 | 61.6 | 67.6 |
| cis-1,2-Dichloroethene | 6 | 34.2 | 32.0 | <50 | 24.4 | <100 | 42.1 | 60.0 | <100 | <100 | 23.0 | <50 | <10 | 18.8 | 20.2 | 26.6 | 9.3 | 11.3 | 13.7 | <10 | 10.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <30 | <50 | <1 | <100 | <10 | 2.4 | <100 | <100 | 1.4 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | 34.7 | <60 | <50 | <1 | <100 | <10 | 11.0 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | 1.1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 180.0 | 230.0 | 215.0 | 183.0 | 168.0 | 238.0 | 340.0 | 263.0 | 188.0 | 200.0 | 118.0 | 173.0 | 130.0 | 141.0 | 202.0 | 88.1 | 148.5 | 113.7 | 66.8 | 101.0 |
| 1,1,1-Trichloroethane | 200 | 135.0 | 180.0 | 212.0 | 207.0 | 159.0 | 200.0 | 220.0 | 200.0 | 129.0 | 160.0 | 66.1 | 75.0 | 38.4 | <10 | 102.0 | 41.6 | 92.0 | 72.4 | 37.1 | 20.9 |
| 1,1,2-Trichloroethane | 5 | 1.3 | <30 | <50 | 1.4 | <100 | <10 | 2.3 | <100 | <100 | 1.7 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 408.0 | 430.0 | 479.0 | 366.0 | 362.0 | 601.0 | 750.0 | 595.0 | 387.0 | 470.0 | 294.0 | 459.0 | 345.0 | 320.0 | 298.0 | 171.5 | 176.2 | 187.5 | 106.9 | 113.9 |
| Freon-11 | 150 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Freon-113 | 1200 | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <0.5 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Freon-123A | | <1 | <30 | <50 | <1 | <100 | <10 | <0.5 | <100 | <100 | <1 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 71.2 | 67.0 | <50 | 2.7 | <100 | 83.6 | 110.0 | <100 | <100 | 3.7 | <50 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 3,294.6 | 3,029.0 | 3,875.0 | 3,352.3 | 2,948.0 | 4,838.0 | 5,327.2 | 4,121.0 | 2,871.0 | 3,385.4 | 2,404.1 | 2,926.0 | 2,248.2 | 2,093.2 | 1,671.9 | 835.2 | 1056.7 | 1,148.4 | 881.3 | 772.1 |
| Total Concentration of VOCs | | 3,295 | 3,029 | 3,875 | 3,352 | 2,948 | 4,838 | 5,328 | 4,121 | 2,871 | 3,385 | 2,404 | 2,926 | 2,248 | 2,093 | 1,672 | 835.2 | 1,058 | 1,148 | 881.3 | 772.1 |

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

| Constituent | MCL | 51-96-18 (Cont'd) Feb-03 | Sep-03 | 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 | Sep-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | 1.6 | 2.1 | 1.9 | 1.6 | 1.8 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 400.0 | 377.0 | 194.0 | 141.0 | 111.0 | 92.6 | 65.2 | 56.0 | 64.0 | 49.0 | 53.2 | 57.6 | 41.8 | 28.1 | 26.3 | 26.8 | 23.7 | 20.7 | 35.7 | 39.0 |
| 1,2-Dichloroethane | 0.5 | 4.9 | 6.4 | 2.5 | 2.1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 46.8 | 88.1 | 41.9 | 29.1 | 29.8 | 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 |
| cis-1,2-Dichloroethene | 6 | 6.8 | 10.0 | 4.9 | 4.0 | 3.2 | 2.9 | 2.3 | 1.7 | 2.1 | <1 | <1 | <10 | 1.7 | <10 | <1 | <1 | <1 | <1 | 1.3 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 77.9 | 143.0 | 259.0 | 406.0 | 389.0 | 360.0 | 488.0 | 387.0 | 313.0 | 260.0 | 233.0 | 334.0 | 379.0 | 267.0 | 302.0 | 307.0 | 277.0 | 252.0 | 393.0 | 290.0 |
| 1,1,1-Trichloroethane | 200 | 14.7 | 11.1 | 15.0 | 12.9 | 12.1 | 10.0 | 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 83.1 | 120.0 | 100.0 | 99.2 | 87.9 | 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 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 634.2 | 755.6 | 618.9 | 696.4 | 634.9 | 574.9 | 692.8 | 548.6 | 487.4 | 381.0 | 376.2 | 458.4 | 502.4 | 340.3 | 393.8 | 399.8 | 363.8 | 326.5 | 515.9 | 405.5 |
| Total Concentration of VOCs | | 634.2 | 755.6 | 618.9 | 696.4 | 634.9 | 574.9 | 692.8 | 548.6 | 487.4 | 381.0 | 376.2 | 458.4 | 502.4 | 340.3 | 393.8 | 399.8 | 363.8 | 326.5 | 515.9 | 405.5 |

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

| Constituent | MCL | 51-96-18 (Cont'd) Oct-05 | Nov-05 | Dec-05 | Jan-06 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 1.5 | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 51.9 | 64.3 | 67.7 | 58.2 | 66.3 | 74.4 | 72.6 | 70.0 | 60.8 | 66.8 | 75.4 | 72.5 | 73.6 | 64.3 | 60.0 | 60.0 | 47.5 | 47.0 | 48.6 | 48.7 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 15.2 | 15.3 | 17.5 | 13.8 | 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 |
| cis-1,2-Dichloroethene | 6 | 2.2 | 2.2 | 2.4 | 2.9 | 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 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 232.0 | 248.0 | 227.0 | 185.0 | 155.0 | 200.0 | 207.0 | 193.0 | 160.0 | 199.0 | 176.0 | 199.0 | 208.0 | 203.0 | 176.0 | 164.0 | 155.0 | 145.0 | 163.0 | 171.0 |
| 1,1,1-Trichloroethane | 200 | 3.9 | 4.0 | 3.1 | 2.8 | 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 61.6 | 60.5 | 62.2 | 59.5 | 56.3 | 70.9 | 64.8 | 72.8 | 59.0 | 66.9 | 67.3 | 64.9 | 62.7 | 60.9 | 55.6 | 51.7 | 49.1 | 50.1 | 53.4 | 55.2 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 366.8 | 394.3 | 379.9 | 322.2 | 295.9 | 369.9 | 366.2 | 358.6 | 297.8 | 353.8 | 339.5 | 350.5 | 367.3 | 347.2 | 310.5 | 293.3 | 266.9 | 256.2 | 280.5 | 290.3 |
| Total Concentration of VOCs | | 366.8 | 394.3 | 379.9 | 322.2 | 295.9 | 369.9 | 366.2 | 358.6 | 297.8 | 355.3 | 339.5 | 350.5 | 367.3 | 347.2 | 310.5 | 293.3 | 266.9 | 256.2 | 280.5 | 290.3 |

# 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) | | | | | 51-97-3 (well is on annual sampling) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-07 | Jun-07 | July-07≈ | Aug-07 | Sep-07 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <2 | <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 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <3 | <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 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <2 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 51.6 | 49.2 | 25.8 | 51.0 | 21.1 | 25.7 | 31.0 | 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 |
| 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 | 11.8 | 11.1 | 4.9 | 9.8 | 3.5 | 33.7 | 51.0 | 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 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 3.1 | 1.5 | 2.9 | <1 | 15.9 | 20.0 | 2.2 | 1.7 | 1.5 | <1 | <1 | 1.7 | 3.2 | 5.0 | 5.7 | 12.1 | 7.6 | 7.0 | 22.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 178.0 | 155.0 | 18.7 | 76.9 | 23.6 | <1 | <2 | 11.7 | 5.2 | 2.8 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 1.9 | 2.0 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | 1.9 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 57.2 | 55.8 | 14.0 | 34.8 | 11.4 | 12.3 | 18.0 | 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 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | 3.5 | <1 | 8.4 | 12.7 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | 5.2 | 8.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | <1 | <1 | 8.1 |
| Total Halogenated Hydrocarbons | | 303.4 | 276.2 | 64.9 | 175.4 | 59.6 | 92.8 | 128.3 | 46.5 | 24.3 | 16.1 | 2.2 | 5.0 | 9.1 | 20.1 | 32.4 | 40.7 | 68.9 | 39.2 | 43.6 | 103.0 |
| Total Concentration of VOCs | | 303.4 | 276.2 | 66.2 | 175.4 | 59.6 | 92.8 | 128.3 | 46.5 | 24.3 | 16.1 | 2.2 | 5.0 | 9.1 | 20.1 | 32.4 | 40.7 | 68.9 | 39.2 | 43.6 | 103.0 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-03* | Aug-04 | Aug-05 | Jan-06 | Jul-06 | Feb-07 | Aug-07 | Oct-97 | (D)* | Nov-97 | Mar-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 1.4 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 10.0 | 15.8 | 12.6 | 12.0 | 12.1 | 9.5 | 8.6 | 17.2 | 13.0 | 20.5 | 1.5 | 3.6 | <1 | 2.0 | 8.3 | 7.3 | 8.5 | 5.0 | 13.3 | 8.7 |
| 1,2-Dichloroethane | 0.5 | <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 | 15.0 | 31.3 | 20.6 | 21.0 | 21.2 | 13.4 | 11.4 | 15.3 | 14.0 | 17.5 | 1.7 | 4.8 | <1 | 1.9 | 7.5 | 7.0 | 7.7 | 5.4 | 13.3 | 10.7 |
| cis-1,2-Dichloroethene | 6 | 9.7 | 18.3 | 15.7 | 17.3 | 18.6 | 12.2 | 11.0 | 39.6 | 45.0 | 49.5 | 5.0 | 11.9 | 1.7 | 6.6 | 31.4 | 25.0 | 22.3 | 15.8 | 50.5 | 34.3 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 5.4 | 5.8 | 6.6 | <1 | 1.8 | <1 | <1 | 2.5 | 2.2 | 3.3 | 1.6 | 5.6 | 4.2 |
| 1,2-Dichloropropane | 5 | <0.5 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 3.1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.9 | 8.2 | 2.5 | 2.5 | 4.5 | 2.2 | 2.2 | 8.1 | 7.4 | 12.2 | 1.0 | 2.8 | <1 | <1 | 5.6 | 2.8 | 3.1 | 2.7 | 7.1 | 5.3 |
| Freon-11 | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | | | <1 | 1.5 | <1 | <1 | 2.0 | 3.2 | <1 | 2.4 | 5.5 | <1 |
| Vinyl Chloride | 0.5 | 1.5 | 2.8 | 1.4 | <1 | 3.2 | <1 | <1 | 15.6 | 14.0 | 21.0 | <1 | 4.9 | <1 | 1.8 | 6.3 | 5.1 | 3.6 | 2.9 | 8.1 | 3.2 |
| Total Halogenated Hydrocarbons | | 40.1 | 76.4 | 52.8 | 52.8 | 59.6 | 37.3 | 33.2 | 101.2 | 99.2 | 127.3 | 9.2 | 31.3 | 1.7 | 12.3 | 66.7 | 52.6 | 48.5 | 35.8 | 103.4 | 66.4 |
| Total Concentration of VOCs | | 40.1 | 76.4 | 52.8 | 52.8 | 59.6 | 37.3 | 33.2 | 101.2 | 99.2 | 127.3 | 9.2 | 31.3 | 1.7 | 12.3 | 66.7 | 52.6 | 48.5 | 37.2 | 103.4 | 66.4 |

# 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 (well is on semi-annual sampling) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-02 | Aug-02 | Jan-03 | Aug-03* | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Jan-06 | Jul-06 | Dec-06 | Feb-07 | Aug-07 | Oct-97 | (D)* | Nov-97 | Mar-98 | Jun-98 | (S)* | Sep-98 |
| **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 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <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 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | 8.5 | 14.8 | 11.3 | 8.2 | 13.2 | 6.0 | 3.2 | 2.3 | 2.8 | 8.1 | 8.8 | 5.0 | 6.4 | 14.9 | 12.0 | 11.3 | 11.1 | 1.2 | 1.1 | 4.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 10.7 | 13.4 | 13.5 | 9.6 | 14.7 | 7.8 | 4.0 | 3.3 | 3.7 | 9.0 | 9.3 | 5.3 | 7.5 | 16.1 | 16.0 | 13.6 | 17.8 | 3.3 | 3.1 | 6.7 |
| cis-1,2-Dichloroethene | 6 | 33.8 | 55.2 | 54.7 | 37.0 | 63.2 | 30.2 | 15.7 | 12.8 | 17.1 | 44.0 | 54.0 | 31.2 | 42.9 | 6.6 | 6.9 | 5.7 | 5.3 | <1 | <0.5 | 2.3 |
| trans-1,2-Dichloroethene | 10 | 3.8 | 5.6 | 6.3 | 4.2 | 7.4 | 3.4 | <1 | <1 | 2.1 | 4.7 | 6.3 | 3.3 | 4.6 | <1 | 0.56 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | 1.4 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 3.7 | 5.2 | 5.4 | 3.4 | 7.1 | 3.3 | <1 | <1 | <1 | 2.7 | 3.2 | 2.3 | 4.1 | 2.2 | 2.4 | 2.0 | 3.3 | <1 | <0.5 | 1.1 |
| Freon-11 | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | 1.6 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 2.2 | 2.9 | 4.3 | 2.0 | 4.5 | 1.6 | <1 | <1 | <1 | 1.2 | 1.5 | <1 | 1.2 | 9.2 | 10.0 | 9.8 | 4.4 | <1 | 0.87 | 4.9 |
| Total Halogenated Hydrocarbons | | 62.7 | 97.1 | 95.5 | 64.4 | 111.5 | 52.3 | 22.9 | 18.4 | 25.7 | 69.7 | 83.1 | 47.1 | 66.7 | 49.0 | 47.86 | 42.4 | 43.5 | 4.5 | 5.07 | 19.6 |
| Total Concentration of VOCs | | 62.7 | 97.1 | 95.5 | 64.4 | 111.5 | 52.3 | 22.9 | 18.4 | 25.7 | 69.7 | 83.1 | 47.1 | 66.7 | 49.0 | 47.9 | 42.4 | 43.5 | 4.5 | 5.07 | 19.6 |

# 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 | Aug-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 | <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 | <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 | 1.5 | <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 |
| 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 | 2.4 | <2 | <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 | <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 | <1 | <1 | <1 | <1 | <3 | <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 | 8.0 |
| 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 | 11.5 | 12.3 | 1.1 | 12.1 | 9.8 | 11.9 | 10.0 | 8.8 | 7.4 | 13.9 | 5.2 | 6.4 | 4.2 | 5.3 | 3.0 | <1 | 3.5 | 6.1 | 1.7 | 6.0 |
| 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 | 5.9 |
| 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 |
| 1,1,2,2-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 | 3.3 | <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 | 1.5 | 3.4 | 1.1 | <1 | <1 | 1.1 | <1 | 1.6 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <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 | <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 | 5.7 |
| Total Halogenated Hydrocarbons | | 35.0 | 33.1 | 17.2 | 35.8 | 28.7 | 40.3 | 38.0 | 29.3 | 39.7 | 32.4 | 31.0 | 25.6 | 20.5 | 20.6 | 20.4 | 13.7 | 17.9 | 21.8 | 14.4 | 25.6 |
| Total Concentration of VOCs | | 35.0 | 33.1 | 21.1 | 35.8 | 28.7 | 40.3 | 38.0 | 30.3 | 39.7 | 32.4 | 31.0 | 25.6 | 20.5 | 20.6 | 20.4 | 13.7 | 17.9 | 21.8 | 14.4 | 25.6 |

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

| | | 51-97-14 (well is on annual sampling) | | | | | | | | | | | | | | | | 51-97-15 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-97 | (D)* | Nov-97 | Feb-98 | May-98* | Nov-98 | Jan-99* | Apr-99 | Aug-00 | Jul-01 | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Oct-97 | Oct-97 | (D)* | Nov-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <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 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <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 | 51-97-15 (Cont'd) Feb-98 | May-98* | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| 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 | <0.5 | <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 | <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 | <30 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| 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 | <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 |
| 1,2-Dichloropropane | 5 | <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 |
| 1,1,2,2-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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <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 | <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 | | | | | | | | | | | | | | | | | | | | | |
| 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) | | | | | | | | | | | | | | | | 51-00-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-03 | 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 | Sep-01 | Sep-02 | Nov-02 | (D)* |
| **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 | <10 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <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 | <50 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.7 | 6.3 | <10 | 5.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.8 | 3.3 | <10 | 2.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.3 | 6.1 | <10 | 7.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <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 | <10 | <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 | <10 | <0.5 |
| Trichloroethene | 5 | 3.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.8 | <1 | <10 | 1.2 |
| Total Halogenated Hydrocarbons | | 3.9 | | | | | | | | | | | | | | | | 26.6 | 15.7 | | 16.7 |
| Total Concentration of VOCs | | 3.9 | | | | | | | | | | | | | | | | 26.6 | 15.7 | | 16.7 |

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

| Constituent | MCL | 51-00-8 (Cont'd) Feb-03 | Apr-03 | Aug-03 | Nov-03 | Mar-04 | May-04 | Sep-04 | Nov-04 | Mar-05 | May-05 | Aug-05 | Oct-05 | Feb-06 | Apr-06 | Jul-06 | Oct-06 | Feb-07 | May-07 | Sep-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 | <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 | |
| 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 | <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 Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <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 | <0.5 |
| Carbon Tetrachloride | 0.5 | <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 | <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 | 5.1 | 4.6 | 5.4 | 5.6 | 4.6 | 4.9 | 5.4 | 4.7 | 4.3 | 5.0 | 4.5 | 4.5 | 4.5 | 4.2 | 4.2 | 4.2 | 4.4 | 4.4 | 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 | <0.5 |
| 1,1-Dichloroethene | 6 | 1.4 | 1.2 | <1 | 2.3 | 1.9 | 2.5 | 3.0 | <1 | <1 | <1 | <1 | 2.3 | <1 | <1 | 1.4 | <1 | <1 | <1 | 1.80 |
| cis-1,2-Dichloroethene | 6 | 4.6 | 4.1 | 7.2 | 7.5 | 5.3 | 6.3 | 6.0 | 5.1 | 3.9 | 4.8 | 4.6 | 6.6 | 1.4 | 3.8 | 5.2 | 4.7 | 1.7 | 3.1 | 5.9 |
| 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 |
| 1,2-Dichloropropane | 5 | <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 |
| 1,1,2,2-Tetrachloroethane | 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 | 2.3 | <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-11 | 150 | <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 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | 1.5 | 1.5 | 2.1 | 2.1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 |
| Total Halogenated Hydrocarbons | | 12.6 | 11.4 | 14.7 | 17.5 | 14.1 | 14.8 | 14.4 | 9.8 | 8.2 | 9.8 | 9.1 | 14.6 | 5.9 | 8.0 | 10.8 | 8.9 | 6.1 | 7.5 | 12.81 |
| Total Concentration of VOCs | | 12.6 | 11.4 | 14.7 | 17.5 | 14.1 | 14.8 | 14.4 | 9.8 | 8.2 | 9.8 | 9.1 | 14.6 | 5.9 | 8.0 | 10.8 | 8.9 | 6.1 | 7.5 | 38.8 |

# 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 Apr-01 | (D)* | Sep-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Oct-02 | Feb-03 | Apr-03 | Aug-03 | Dec-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 | May-05 | Aug-05 | Aug-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| Ethylbenzene | 300 | 2.1 | 1.7 | 1.3 | 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 | <0.5 | <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 | 1.7 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.1 | 3.4 | 1.3 | 1.1 | | | | | | | | | | | | | | | | |
| **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 | <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 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 3.0 | 2.6 | 2.7 | 3.1 | 2.6 | 3.5 | 2.6 | 2.5 | 2.6 | 2.4 | 2.9 | 2.4 | 2.4 | 2.4 | 3.3 | 2.7 | 2.5 | 2.9 | 3.2 | 2.3 |
| 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 | 8.2 | 7.5 | 8.0 | 10.5 | 9.8 | 9.6 | 11.0 | 8.5 | 10.0 | 10.7 | 12.9 | 9.1 | 8.4 | 12.0 | 15.3 | 11.6 | 15.2 | 19.4 | 20.5 | 20.7 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.59 | <1 | <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 | <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 |
| 1,1,2,2-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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <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 | 3.4 | 2.8 | 2.1 | 1.8 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <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 | <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 | 5.3 | 0.73 | 1.3 | 1.9 | 1.2 | 2.8 | 2.0 | 1.4 | <1 | 1.9 | <1 | <1 | <1 | 2.1 | 1.1 | <1 | 2.1 | 2.0 | 2.3 | <1 |
| Total Halogenated Hydrocarbons | | 19.9 | 14.22 | 14.1 | 17.3 | 14.9 | 15.9 | 15.6 | 12.4 | 12.6 | 15.0 | 15.8 | 11.5 | 10.8 | 16.5 | 19.7 | 14.3 | 19.8 | 24.3 | 26.0 | 23.0 |
| Total Concentration of VOCs | | 22.0 | 17.6 | 15.4 | 18.4 | 14.9 | 15.9 | 15.6 | 12.4 | 12.6 | 15.0 | 15.8 | 11.5 | 10.8 | 16.5 | 19.7 | 14.3 | 19.8 | 24.3 | 26.0 | 23.0 |

# 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 | Aug-06 | Aug-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <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 | <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 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <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 | <2 |
| p-Isopropyltoluene | | <1 | <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 | <5 | <0.5 | <5 | <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 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <2 | <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 | <1 | <0.5 | <1 | <1 | <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 | <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 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <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 | <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 | 6.0 | 5.8 | 5.3 | 5.8 | 4.4 | 4.6 | 5.4 | 5.7 | 4.6 | 4.5 |
| 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 | <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 | <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 | 5.2 | 14.9 |
| 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 | <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 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <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 | 1.0 | <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 |
| 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 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <1 | <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 | <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 | <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 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 24.2 | 19.96 | 12.8 | 12.2 | 9.9 | 9.8 | 10.1 | 11.5 | 9.3 | 7.9 | 12.5 | 11.9 | 10.1 | 9.8 | 11.4 | 8.4 | 8.1 | 9.6 | 9.7 | 9.8 | 19.4 |
| Total Concentration of VOCs | | 24.2 | 20.0 | 12.8 | 12.2 | 9.9 | 9.8 | 10.1 | 11.5 | 9.3 | 7.9 | 12.5 | 11.9 | 10.1 | 9.8 | 11.4 | 8.4 | 8.1 | 9.6 | 9.7 | 9.8 | 19.4 |

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

| Constituent | MCL | 51A-01-11 Oct-01 | (D)* | Feb-02 | May-02 | 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 | Jul-06 | Jul-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | 105.0 | <1 | 1.6 | <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 | | | | | | | | | | | | | | | 105.0 | | 1.6 | | | |
| **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 |
| 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 | <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 | <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 | <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 | <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 | <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 | | | | | | | | | | | | | | | 105.0 | | 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Sep-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 | <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 | <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 | <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 | <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 | <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 | <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 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <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 | <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 | <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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <1.0 | <10 | <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 | <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 |
| 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 | <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 | <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 | <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 |
| 1,1-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 | 7.2 |
| 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 | <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 | 3.2 |
| cis-1,2-Dichloroethene | 6 | 8.6 | 13.0 | 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 | 10.1 |
| 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 |
| 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 | <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 |
| 1,1,2,2-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 | <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 | 1.4 |
| 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 |
| 1,1,2-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 | <1 |
| Trichloroethene | 5 | 12.0 | 14.0 | 16.4 | 5.6 | 2.4 | 7.0 | 5.2 | 6.3 | 23.5 | 34.6 | 5.4 | 22.0 | 13.3 | 35.0 | 24.9 | 73.3 | 69.8 | 49.9 | 48.5 | 61.8 |
| Freon-11 | 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 |
| 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 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <1 | <1 | 1.2 | 1.8 |
| 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 | <1 |
| Total Halogenated Hydrocarbons | | 23.4 | 27.0 | 22.1 | 15.16 | 2.95 | 15.78 | 11.4 | 14.0 | 49.1 | 65.3 | 13.4 | 50.7 | 24.5 | 48.13 | 41.7 | 84.2 | 85.8 | 56.0 | 72.7 | 86.7 |
| Total Concentration of VOCs | | 23.4 | 27.0 | 22.1 | 15.2 | 3.0 | 15.8 | 11.4 | 14.0 | 49.1 | 65.3 | 13.4 | 50.7 | 24.5 | 48.1 | 41.7 | 84.2 | 85.8 | 56.0 | 72.7 | 86.7 |

# 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-01-1A | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Jan-03 | Nov-03 | Feb-04 | May-04 |
| **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 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <0.5 | <0.5 | <1 | <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 | <1 |
| Ethylbenzene | 300 | <1 | <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 | <2 | <0.5 | <0.5 | <2 | <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 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.7 | 2.5 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <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 | <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 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | 1.7 | 2.5 | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <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 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <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 | 6.9 | 1.9 | 2.8 | 7.1 | 9.6 | 2.4 | 10.9 | 6.3 | 11.0 | 7.2 | 7.1 | 7.8 | 15.4 | 11.9 | 8.0 | 10.4 | <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 | <2 |
| 1,1-Dichloroethene | 6 | 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 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.0 | 5.2 | 4.0 | 13.8 | 15.5 | 1.8 | 19.7 | 13.0 | 21.0 | 16.0 | 14.8 | 12.9 | 29.8 | 38.7 | 22.1 | 27.6 | 6.9 | 11.6 | 1.9 | 4.2 |
| trans-1,2-Dichloroethene | 10 | 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 | <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 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | <1 | <1 | 2.1 | 1.9 | <1 | 3.2 | 1.1 | 3.3 | 1.7 | <1 | <1 | 4.1 | <1 | <1 | <1 | 1.1 | <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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 45.0 | 28.4 | 12.5 | 59.4 | 67.6 | 8.1 | 92.0 | 46.0 | 95.0 | 73.8 | 62.6 | 46.5 | 138.0 | 27.0 | 13.3 | <1 | 1.2 | 1.2 | <1 | <1 |
| Freon-11 | 150 | <1 | <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 | <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 | <1 |
| Vinyl Chloride | 0.5 | 1.4 | <1 | <1 | <1 | <1 | <1 | 1.9 | <0.5 | 1.2 | <1 | <1 | <1 | 1.5 | 10.0 | 2.4 | 4.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 73.1 | 35.5 | 19.3 | 88.6 | 102.7 | 12.3 | 136.2 | 70.2 | 141.8 | 104.5 | 90.9 | 70.8 | 202.8 | 94.8 | 48.3 | 45.1 | 9.2 | 12.8 | 1.9 | 4.2 |
| Total Concentration of VOCs | | 73.1 | 35.5 | 19.3 | 88.6 | 102.7 | 12.3 | 136.2 | 71.9 | 144.3 | 104.5 | 90.9 | 70.8 | 202.8 | 94.8 | 48.3 | 45.1 | 9.2 | 12.8 | 1.9 | 4.2 |

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

| Constituent | MCL | 51L-01-1A (Cont'd) | | | | | | | | 51L-01-5A | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-04 | Nov-04 | Feb-05 | May-05 | Jul-05 | Aug-05 | Jul-06 | Aug-07 | Sep-01 | Jan-02 | (D)* | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Nov-03 | Mar-04 | May-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.8 | 6.3 | 6.7 | 8.5 | 1.9 | 9.3 | 12.8 | 13.6 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <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 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.5 | 1.5 | <1 | 2.0 | <1 | <1 | 2.8 | 2.7 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 6.3 | 7.8 | 6.7 | 10.5 | 4.1 | 9.3 | 15.6 | 16.3 | | | | | | | | | | | | |
| Total Concentration of VOCs | | 6.3 | 7.8 | 6.7 | 10.5 | 4.1 | 9.3 | 15.6 | 16.3 | | | | | | | | | | | | |

# 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) | | | | | | 51L-01-5B | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-04 | Nov-04 | Jan-05 | May-05 | Oct-05 | Nov-06 | 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 |
| **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 |
| 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 |
| Methyl tert-Butyl Ether | 13 | <5 | <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 | <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 Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <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 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | 1.8 | 2.4 | 1.9 | <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 | 1.5 | 2.5 | 3.7 | <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 | <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 | <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 |
| 1,1,2,2-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 | <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-11 | 150 | <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 |
| Freon-123A | | <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 | 1.4 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | 3.3 | 4.9 | 7.0 | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | 3.3 | 4.9 | 7.0 | | | | | | | | | | | | | | |

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

| Constituent | MCL | 51L-01-5B (Cont'd) | | | | | | 51L-01-6 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-04 | Jan-05 | May-05 | Jul-05 | Oct-05 | Nov-06 | Sep-01 | Jan-02 | (D)* | May-02 | Aug-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Nov-03 | Feb-04 | May-04 | Jul-04 | Nov-04 |
| **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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <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 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1.8 | <5 | <5 | <5 | <5 | <5 | 0.54 | <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 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 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 |
| 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 | <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 | | | | | | | | | | 1.8 | | | | | | 0.54 | | | | | |
| **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 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <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 | <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 |
| 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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 |
| 1,1,2,2-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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | 1.8 | | | | | | 0.5 | | | | | |

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

| Constituent | MCL | 51L-01-6 (Cont'd) | | | | | 51L-01-7 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-05 | May-05 | Jul-05 | Oct-05 | Nov-06 | Sep-01 | Jul-02 | (D)* | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Nov-03 | Mar-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 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <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 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <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 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <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 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <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 | <2 | <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 | <1 | <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 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <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-01-7(Cont'd) | | 56-98-2 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-05 | Nov-06 | Jul-98 | (D)* | Nov-98 | Feb-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Aug-02 |
| **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 | <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 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <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 | <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 | 0.61 | <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 | | | | | 0.61 | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <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 | <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 | <1 |
| Chloroethane | | <30 | <30 | <30 | 0.97 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.6 | 2.3 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 3.1 | 2.6 | 1.2 | 1.2 | 1.7 | 1.5 | 2.5 |
| 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 | 4.0 | 5.2 | 2.1 | 1.1 | <1 | 1.1 | <1 | <1 | 1.4 | <1 | 1.8 | 4.7 | 4.4 | 2.7 | 2.4 | 1.6 | 2.1 | 3.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 2.0 | 2.7 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.8 | 1.2 | 1.5 | <1 | <1 | 1.8 |
| 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 |
| 1,2-Dichloropropane | 5 | <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 | <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 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | 1.3 | <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 | 1.5 | 1.6 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 1.4 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <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 |
| Freon-123A | | <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 | 7.4 | 9.1 | 28.5 | 40.3 | 14.3 | 31.8 | 10.9 | 18.1 | 15.8 | 3.9 | 2.0 | 3.3 | 7.1 | 2.7 | 1.5 | 1.8 | 1.2 | 1.4 |
| Total Halogenated Hydrocarbons | | | | 16.5 | 21.87 | 35.7 | 41.4 | 14.3 | 32.9 | 10.9 | 18.1 | 17.2 | 3.9 | 5.0 | 14.2 | 17.3 | 7.8 | 6.6 | 5.1 | 4.8 | 9.2 |
| Total Concentration of VOCs | | | | 16.5 | 22.5 | 35.7 | 41.4 | 14.3 | 32.9 | 10.9 | 18.1 | 17.2 | 3.9 | 5.0 | 14.2 | 17.3 | 7.8 | 6.6 | 5.1 | 4.8 | 9.2 |

# 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) | | | | | | | | | | 63-98-18 (well is on semi-annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-03 | Aug-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07 | Mar-99 | (D)* | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Feb-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | 1.9 | <1 | <1 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.9 | 2.1 | 1.9 | 1.8 | 1.5 | 2.1 | 2.0 | 1.7 | 2.2 | 2.3 | <1 | 0.75 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.9 | 4.2 | 3.3 | 5.2 | 2.9 | 2.6 | 3.5 | 1.6 | 4.1 | 3.0 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.4 | 2.3 | 1.8 | 2.1 | <1 | <1 | 2.1 | 1.5 | 2.6 | 2.1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.2 | 0.95 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | 0.98 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | 2.2 | 2.0 | <1 | 2.0 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 |
| Total Halogenated Hydrocarbons | | 10.4 | 10.53 | 8.1 | 10.2 | 4.4 | 4.7 | 7.6 | 4.8 | 8.9 | 7.4 | 1.4 | 2.95 | 2.0 | | 3.9 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 |
| Total Concentration of VOCs | | 10.4 | 10.5 | 8.1 | 10.2 | 4.4 | 4.7 | 7.6 | 4.8 | 8.9 | 7.4 | 1.4 | 3.0 | 2.0 | | 3.9 | 1.7 | 1.8 | 2.0 | 2.2 | 1.8 |

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

| | | 63-98-18 (Cont'd) | | | | | | | | | | | | | | 64-97-1 (well is on annual sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-01 | Aug-01 | Nov-01 | Feb-02 | May-02 | Aug-02 | Feb-03 | Jul-03* | Feb-04 | Jul-04 | Feb-05 | Aug-05 | Jul-06 | Jul-07 | Jul-97 | (D)* | Nov-97 | Mar-98 | May-98 | Sep-98 |
| **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 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 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 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.87 | <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 | <0.5 | <2 | <2 | <2 | <2 |
| 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 | <1 |
| 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 | <1 |
| 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 | <1 |
| 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 | <1 |
| Methylene Chloride | 5 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 5.0 | 8.2 | 4.6 | 5.6 | 5.5 | 2.2 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <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 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 4.8 | 1.9 | 1.8 | 1.7 | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.8 | 1.9 | 1.8 | 1.7 | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | | | | | | 5.0 | 9.07 | 4.6 | 5.6 | 5.5 | 2.2 |
| Total Concentration of VOCs | | 4.8 | 1.9 | 1.8 | 1.7 | 1.2 | 1.2 | 1.8 | 1.8 | 1.4 | | | | | | 5.0 | 9.1 | 4.6 | 5.6 | 5.5 | 2.2 |

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

| | | 64-97-1 (Cont'd) | | | | | | | | | | | | | | 64-97-2 (well is on semi-annual sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Jul-97 | (D)* | Nov-97 | Mar-98 | May-98 | Sep-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 | <1 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 | <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 | <0.5 | <2 | <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 | <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 | <5 |
| Naphthalene | | <2 | <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 | <1 | <0.5 | <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 | <0.5 | <1 | <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 | <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 | <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 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <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 | <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 | 1.3 | 1.0 | 4.1 | 6.0 | 2.0 |
| 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 |
| 1,2-Dichloropropane | 5 | <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 |
| 1,1,2,2-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 | <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 | <1 | <0.5 | <1 | <1 | 1.2 | <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 | 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 | <1 | 0.54 | <1 | 1.7 | 1.8 | <1 |
| Freon-11 | 150 | <1 | <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 | <1 | <0.5 | <1 | <1 | 1.4 | <1 |
| Freon-123A | | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 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 | | 1.84 | 1.0 | 5.8 | 10.4 | 2.0 |
| Total Concentration of VOCs | | 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 | | 1.8 | 1.0 | 5.8 | 10.4 | 2.0 |

# 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) Nov-98 | Feb-99 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Aug-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Jan-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 | <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 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <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 | | | | | | | | | | | | 2.5 | | | | | | | | |
| **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 | <1 | <1 | 1.9 | 1.6 | 1.8 | 1.9 | 2.8 | 3.3 | 3.9 | 2.5 | 3.3 | 1.7 | 3.6 | 5.2 | 6.5 | 7.6 | 5.1 | 6.9 | 6.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.9 | 2.2 | 5.9 | 4.0 | 4.7 | 4.7 | 7.0 | 6.0 | 5.5 | 4.1 | 6.2 | 2.2 | 5.0 | 4.8 | 5.0 | 6.2 | 2.6 | 4.0 | 4.8 |
| 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 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | 1.0 | 1.2 |
| 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 |
| Trichloroethene | 5 | <1 | <1 | 1.9 | 2.2 | 1.6 | 1.9 | 2.5 | 3.1 | 2.6 | 2.2 | 2.5 | 1.4 | 3.0 | 3.7 | 3.0 | 3.5 | 1.8 | 2.5 | 3.4 |
| Freon-11 | 150 | <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 | <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 | | 1.9 | 2.2 | 9.7 | 10.5 | 8.1 | 8.5 | 12.3 | 12.4 | 12.0 | 8.8 | 12.0 | 5.3 | 12.6 | 13.7 | 14.5 | 17.3 | 9.5 | 14.4 | 16.3 |
| Total Concentration of VOCs | | 1.9 | 2.2 | 9.7 | 10.5 | 8.1 | 8.5 | 12.3 | 12.4 | 12.0 | 8.8 | 14.5 | 5.3 | 12.6 | 13.7 | 14.5 | 17.3 | 9.5 | 14.4 | 16.3 |

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

| Constituent | MCL | 71-95-9 (well is on annual sampling) May-95* | (D)^ | Aug-95 | Dec-95 | Feb-96 | May-96 | Jul-96 | Dec-96* | Mar-97 | May-97 | May-98* | Jan-99 | Apr-99 | Jul-00 | Jan-01 | Jul-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <10 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <10 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 0.94 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.0 | <5 | <1 | <1 | 1.8 | 1.1 | <1 | 0.75 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 0.64 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 0.76 | <5 | <1 | <1 | 1.8 | <1 | <1 | <0.5 | <1 | <1 | 0.53 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <0.5 | <5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | 0.97 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <0.5 | | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.40 | | | | 3.6 | 1.1 | | 0.75 | | | 2.44 | | | | | | | | | |
| Total Concentration of VOCs | | 2.4 | | | | 3.6 | 1.1 | | 0.8 | | | 2.4 | | | | | | | | | |

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

| | | 71-95-9(Cont'd) | | 71B-98-13 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-06 | Aug-07 | Jun-99 | (D)* | Sep-99 | Nov-99 | Mar-00 | May-00 | Jun-00* | Sep-00 | Nov-00 | Mar-01 | (D)* | May-01 | Sep-01 | Nov-01 | Feb-02 | May-02 | Sep-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <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 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <4 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <60 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <6 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | 1.0 | <2 | <1 | 1.1 | 0.98 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 58.0 | 45.0 | 47.5 | 61.1 | 51.6 | 65.8 | 43.0 | 53.4 | 89.2 | 91.1 | 71.0 | 68.0 | 65.5 | 46.9 | 58.7 | 81.0 | 74.9 | 63.8 |
| trans-1,2-DCE | 10 | <1 | <1 | <1 | 0.57 | <1 | <1 | <1 | <1 | 1.5 | <2 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | 146.0 | 180.0 | 90.1 | 112.0 | 36.1 | 104.0 | 210.0 | 171.9 | 68.8 | 131.8 | 120.0 | 149.7 | 106.8 | 102.8 | 121.9 | 130.1 | 75.3 | 115.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | 86.4 | 91.0 | 81.4 | 79.6 | 50.4 | 120.0 | 100.0 | 119.3 | 128.4 | 85.1 | 77.0 | 71.8 | 88.0 | 68.0 | 90.5 | 88.7 | 71.0 | 89.8 |
| Freon-11 | 150 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <4 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <2 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | 2.6 | 4.0 | 3.9 | 3.7 | 7.7 | 3.8 | 2.9 | 3.0 | 6.5 | 5.8 | 3.4 | 16.0 | 5.3 | 2.8 | 5.9 | 5.3 | 4.1 | 5.2 |
| Total Halogenated Hydrocarbons | | | | 293.0 | 321.67 | 222.9 | 256.4 | 145.8 | 293.6 | 358.4 | 347.6 | 292.9 | 314.9 | 274.18 | 305.5 | 265.6 | 221.7 | 277.0 | 305.1 | 225.3 | 273.8 |
| Total Concentration of VOCs | | | | 293.0 | 321.67 | 222.9 | 256.4 | 145.8 | 293.6 | 358.4 | 347.6 | 292.9 | 314.9 | 274.2 | 305.5 | 265.6 | 221.7 | 277.0 | 305.1 | 225.3 | 273.8 |

# 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) | | | | | | | | | | | | | 71B-99-3R | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Apr-01 | (D)* | Aug-01(G | Nov-01(G | Feb-02(G | May-02 | Aug-02 | Oct-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <500 | <3 | <5 | <50 | <5 | <5 | <50 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <5 | <2 | <20 | <2 | <2 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 5.8 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3000 | <3 | <30 | <300 | <30 | <30 | <300 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <300 | <3 | <3 | <30 | <3 | <3 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | 57.3 | 61.9 | 52.7 | 30.1 | 5.6 | <1 | 4.1 | <1 | <1 | <1 | 2.4 | 1.4 | 1.8 | <100 | 7.2 | 1.9 | <10 | 10.1 | 2.2 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Tetrachloroethene | 5 | 143.0 | 4.8 | 4.1 | 3.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1,190.5 | 900.0 | 667.0 | 385.4 | 1,306 | 677.0 | 368.5 | 396.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Trichloroethene | 5 | 78.1 | 10.6 | 5.9 | 3.8 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | 180.7 | 25.0 | 9.9 | <10 | 35.2 | 16.3 | <10 | <10 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <2 | <200 | <3 | <2 | <20 | <2 | <2 | <20 | <20 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | | <1 | <10 | <1 | <1 | <10 | <10 |
| Vinyl Chloride | 0.5 | 2.9 | 12.9 | 3.4 | 7.9 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | <100 | <3 | <1 | <10 | <1 | <1 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 281.3 | 90.2 | 66.1 | 45.7 | 5.6 | | 6.0 | | | | 4.1 | 1.4 | 1.8 | 1,371.2 | 932.2 | 678.8 | 385.4 | 1351.3 | 695.5 | 368.5 | 396.2 |
| Total Concentration of VOCs | | 281.3 | 90.2 | 66.1 | 45.7 | 5.6 | | 6.0 | | | | 4.1 | 1.4 | 1.8 | 1,371 | 938.0 | 678.8 | 385.4 | 1,351 | 695.5 | 368.5 | 396.2 |

# 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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Apr-03 | 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 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | 16.2 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <5 | <50 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | 22.4 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <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 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <300 | <30 | <300 | <30 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 0.55 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <30 | <3 | <30 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <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 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <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 | 4.4 | 3.1 | 153.0 | 198.0 | 156.0 | 89.9 | 60.0 | <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-DCE | 10 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <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 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1,550 | 915.0 | 238.0 | 61.9 | 245.0 | 148.0 | 129.0 | 253.0 | 8.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <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 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 25.5 | 13.5 | 54.3 | 19.8 | 360.0 | 313.0 | 261.0 | 112.0 | 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 | <2 | <2 | <20 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | 16.1 | 67.1 | 20.7 | <10 | <10 | 11.0 | 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 | | 1579.9 | 931.6 | 445.3 | 295.8 | 828.1 | 571.6 | 450.0 | 365.0 | 79.0 | 27.9 | 20.7 | 21.3 | 30.2 | | 9.3 | 6.7 | 17.3 | 13.5 | 15.4 | 8.7 | 7.9 |
| Total Concentration of VOCs | | 1,580 | 931.6 | 483.9 | 295.8 | 828.1 | 571.6 | 450.0 | 365.0 | 79.0 | 27.9 | 20.7 | 21.3 | 30.2 | | 9.3 | 6.7 | 17.3 | 13.5 | 15.4 | 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) | | | | | | | MW90-3 (semi-annual sampling) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-06 | Jan-07 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Aug-07 | 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 |
| **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 | <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 | <0.5 | <1 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <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 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <2 | <2 | <2 | <2 | <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 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | 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 |
| 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 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 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 |
| cis-1,2-Dichloroethene | 6 | 6.5 | 9.2 | 15.3 | <1 | <1 | 3.4 | 2.2 | 16.5 | 8.5 | 19.6 | 13.8 | 16.2 | 16.7 | 13.5 | 11.5 | 13.4 | 13.0 | 13.0 | 14.0 | 20.7 | 22.1 |
| trans-1,2-DCE | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 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 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 26.7 | 27.5 | 32.7 | 21.3 | 25.1 | 28.0 | 26.9 | 14.6 | 22.2 | 20.0 | 19.0 | 19.0 | 21.3 | 25.2 |
| 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 | <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 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 1.7 | 2.3 | 5.6 | <1 | <1 | 1.6 | 1.3 | 14.6 | 10.7 | 21.0 | 13.8 | 13.4 | 20.3 | 19.7 | 9.7 | 19.2 | 15.0 | 16.0 | 18.0 | 22.1 | 24.6 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.5 | 5.9 | 4.5 | <1 | <1 | <1 | 1.3 | 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 |
| Total Halogenated Hydrocarbons | | 10.7 | 17.4 | 25.4 | | | 5.0 | 4.8 | 95.4 | 55.3 | 94.3 | 59.4 | 68.3 | 79.3 | 73.3 | 42.2 | 59.1 | 56.6 | 56.3 | 59.7 | 73.8 | 80.8 |
| Total Concentration of VOCs | | 10.7 | 17.4 | 25.4 | | | 5.0 | 4.8 | 95.4 | 55.3 | 94.3 | 59.4 | 68.3 | 79.3 | 73.3 | 42.2 | 59.1 | 56.6 | 56.3 | 59.7 | 73.8 | 80.8 |

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

| Constituent | MCL | MW90-3 (Cont'd) (S)* | Feb-96 | Aug-96 | Dec-96 | (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | 4.2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <0.5 | <1 | 84.9 | 40.0 | 32.0 | 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 |
| 1,1-Dichloroethane | 5 | 2.6 | 3.4 | <1 | <1 | 0.97 | <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 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | 1.3 | 1.5 | <1 | <1 | 0.59 | <1 | 0.57 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | 0.78 | <1 |
| cis-1,2-Dichloroethene | 6 | 17.0 | 24.5 | <1 | 11.0 | 12.0 | 13.8 | 14.0 | 13.6 | 20.8 | 16.3 | 18.2 | 14.8 | 15.4 | 15.9 | 13.6 | 17.5 | 15.7 | 15.6 | 13.4 | 16.0 | 12.1 |
| trans-1,2-DCE | 10 | 1.7 | <1 | <1 | <1 | 0.94 | <1 | 1.1 | <1 | 1.4 | <1 | <1 | 1.1 | 1.1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 0.83 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 |
| 1,1,2,2-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 | 19.0 | 20.8 | <1 | 10.6 | 12.0 | 10.3 | 13.0 | 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 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 21.0 | 26.6 | <1 | 18.4 | 17.0 | 19.1 | 22.0 | 18.1 | 31.0 | 19.2 | 18.0 | 18.2 | 16.0 | 13.0 | 12.1 | 16.0 | 13.1 | 12.5 | 10.9 | 11.0 | 8.8 |
| Freon-11 | 150 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | 3.8 | 3.6 | <1 | <1 | 0.64 | <1 | 0.92 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.59 | <1 |
| Total Halogenated Hydrocarbons | | 66.4 | 80.4 | 89.1 | 80.0 | 76.14 | 65.6 | 70.59 | 53.9 | 87.9 | 56.1 | 55.7 | 54.4 | 52.3 | 43.0 | 36.4 | 53.2 | 40.2 | 39.2 | 34.8 | 41.7 | 28.9 |
| Total Concentration of VOCs | | 66.4 | 80.4 | 89.1 | 80.0 | 76.1 | 65.6 | 70.6 | 53.9 | 87.9 | 56.1 | 55.7 | 54.4 | 52.3 | 43.0 | 36.4 | 53.2 | 40.2 | 39.2 | 34.8 | 41.7 | 28.9 |

# 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) | | | | | | | MW90-4 (annual sampling) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07* | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Dec-94* | Feb-95* | Jun-95* | Sep-95 | Nov-95 | Feb-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <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 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 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 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <0.5 | <0.5 | <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 | <2 |
| 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 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 2.0 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 0.73 | <5 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.1 | <1 | 1.5 | 1.3 | 1.2 | 1.4 | 1.4 | 11.4 | 1.9 | 3.2 | 2.3 | 2.3 | 1.8 | 2.1 | 1.0 | 2.1 | 2.2 | 1.9 | <1 | 1.7 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 0.67 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | 1.8 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 11.2 | 10.0 | 11.8 | 10.7 | 10.4 | 8.6 | 7.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| trans-1,2-DCE | 10 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <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 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 7.9 | 7.6 | 7.7 | 7.5 | 6.2 | 6.1 | 6.2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | 2.2 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.1 | 8.4 | 8.1 | 8.5 | 7.8 | 7.2 | 6.8 | <5 | 1.1 | 1.6 | 1.3 | 1.5 | 1.8 | 1.3 | 1.4 | 1.0 | 1.2 | 0.96 | <1 | 1.7 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 | <1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 30.3 | 26.0 | 29.1 | 28.0 | 25.6 | 23.3 | 23.95 | 11.4 | 3.0 | 4.8 | 3.6 | 3.8 | 3.6 | 5.8 | 2.4 | 3.1 | 3.4 | 2.86 | 1.8 | 5.6 | |
| Total Concentration of VOCs | | 30.3 | 26.0 | 29.1 | 28.0 | 25.6 | 23.3 | 24.0 | 11.4 | 3.0 | 4.8 | 3.6 | 3.8 | 3.6 | 7.8 | 2.4 | 3.1 | 3.4 | 2.9 | 1.8 | 5.6 | |

# 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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-96 | Sep-96 | Dec-96 | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Sep-00 | Feb-01 | Aug-01 | Feb-02 | May-02 | Aug-02 | Jul-03 | Jul-04 | Jul-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 | <1 |
| n-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <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 | 5.0 | <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 | | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <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 | | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <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 | | | | | | | | | | 5.0 | | | | | | | | | | | | |
| **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 | <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 | <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 | <1 | <1 | <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 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.4 | 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 | 1.7 | <1 | <1 | <1 |
| trans-1,2-DCE | 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 |
| 1,1,2,2-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 | 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 |
| 1,1,2-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 | <1 | <1 | 1.0 | <1 | <1 | 1.4 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 | <1 |
| Freon-123A | | | | | | | 2.5 | 1.3 | 1.1 | 1.7 | <1 | 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 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.4 | 1.1 | 2.1 | | | 3.9 | 1.3 | 1.1 | 6.6 | | 1.4 | 1.4 | 1.1 | | | | | 1.7 | | | |
| Total Concentration of VOCs | | 1.4 | 1.1 | 2.1 | | | 3.9 | 1.3 | 1.1 | 11.6 | | 1.4 | 1.4 | 1.1 | | | | | 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 | MW90-5 (semi-annual sampling) Dec-92 | Feb-93 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 9.9 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | 9.9 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10.0 | <5 | <5 | <5 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 2.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | 0.69 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 4.1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <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 |
| trans-1,2-DCE | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <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 | <5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <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-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 7.1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <5.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | 2.0 | <1 | <1 | <5.0 | <1 | 9.8 | <1 | <1 | <0.5 | <0.5 | 9.4 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <10.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | 1.0 | | | 2.0 | | | | | 9.8 | 1.0 | | 2.49 | 2.85 | 35.7 | 1.2 | 4.1 | 1.1 | | 1.5 |
| Total Concentration of VOCs | | | 1.0 | | | 2.0 | | | | | 9.8 | 1.0 | | 2.5 | 2.9 | 35.7 | 1.2 | 14.0 | 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) May-97 | 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 | Feb-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 | <1 |
| n-Butylbenzene | | <1 | <1 | <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 | <1 | <1 | <0.5 | <1 | <1 | <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 | <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 | <1 |
| Isopropylbenzene | | <2 | <2 | <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 | 1.5 | <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 | <5 | <5 | <0.5 | <5 | <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 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <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 | <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 | <0.5 | <1 | <1 | <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 | <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 | <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 | <1 | <0.5 | <1 | <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 | <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 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <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 | <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 | <1 |
| trans-1,2-DCE | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <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 | <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 |
| 1,1,2,2-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 | <0.5 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 |
| Freon-113 | 1200 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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)

| Constituent | MCL | MW90-5 (Cont'd) | | | MWP-1 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-06 | Feb-07 | Aug-07 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <150 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-DCE | 10 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <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 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <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) May-97 | Aug-97 | Nov-97 | Jan-98 | May-95* | 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 | Apr-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 | <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 | <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 | <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 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <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 | <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 | <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 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <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 | <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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <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 | <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 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <3 | <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 |
| 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 | <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 | <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 | <1 |
| trans-1,2-DCE | 10 | <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-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| 1,1,1-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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 |
| Freon-11 | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <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 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-02 | May-95* | Jan-03 | Apr-03 | 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 |
| **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 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 |
| Ethylbenzene | 300 | <1 | <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 | <0.5 | <2 | <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 | <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 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <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 | <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 | <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 | <1 | <0.5 | <1 | <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 | <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 | <1 |
| Chloroethane | | <30 | <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 | <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 | <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 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-DCE | 10 | <1 | <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 | <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 |
| 1,1,2,2-Tetrachloroethane | 1 | <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 | <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 | <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 | <1 | <0.5 | <1 | <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 | <1 |
| Freon-11 | 150 | <1 | <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 | <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 | <0.5 | <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 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
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
# indicated QA/QC problems

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

| Constituent | MCL | SB51-98-1 | | | | | | | | | | | | | | | | | SB51-98-4 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-01 | May-01 | Oct-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03* | Feb-04* | Aug-04 | Mar-05 | Oct-05 | Feb-06 | Sep-06 | Oct-06 | Mar-07 | May-07 | Sep-07* | Jun-98 | Oct-00 | Apr-01 |
| **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 | | <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 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <4 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <4 | <4 | <4 |
| Carbon Tetrachloride | 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 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <1 | <1 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 14.2 | 16.7 | 8.6 | 6.7 | 7.5 | 9.7 | 8.7 | 9.4 | 8.6 | 6.9 | 7.5 | 6.8 | 6.4 | 8.7 | 6.8 | 5.5 | 6.8 | <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 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.52 | 0.51 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 56.1 | 64.3 | 27.9 | 29.3 | 47.9 | 73.0 | 82.0 | 74.0 | 88.7 | 94.1 | 120.0 | 104.0 | 110.0 | 149.0 | 116.0 | 86.9 | 120 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | 0.96 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <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 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.0 | 6.3 | 2.0 | <1 | 1.8 | 1.4 | 2.7 | 0.95 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | 29.9 | 40.4 | 15.7 | 7.2 | 10.0 | 10.7 | 20.0 | 21.0 | 12.7 | 9.6 | 8.8 | 6.4 | 8.1 | 10.7 | 34.1 | 33.3 | 19 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | 3.5 | 5.6 | <1 | 2.2 | 3.4 | 5.0 | 3.0 | 5.1 | 2.3 | 2.0 | 2.3 | 2.7 | 2.5 | 1.7 | 2.8 | 1.1 | 0.96 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 110.8 | 133.3 | 54.2 | 45.4 | 70.6 | 99.8 | 117.57 | 111.92 | 112.3 | 112.6 | 138.6 | 119.9 | 127.0 | 170.1 | 161.0 | 126.8 | 146.8 | | | |
| Total Concentration of VOCs | | 110.8 | 133.3 | 54.2 | 45.4 | 70.6 | 99.8 | 117.6 | 111.9 | 112.3 | 112.6 | 138.6 | 119.9 | 127.0 | 170.1 | 161.0 | 126.8 | 146.8 | | | |

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

| Constituent | MCL | SB51-98-4 (Cont'd) | | | | | | | | | | | | | SB51-98-6 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-01 | Mar-02 | Oct-02* | Feb-03 | Aug-03* | Feb-04* | Aug-04 | Mar-05 | Oct-05 | Feb-06 | Sep-06 | Mar-07 | Sep-07* | Jun-98 | Oct-00 | Apr-01 | Oct-01 | Mar-02 | Sep-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <1 | <1 | <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 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <4 | <4 | <4 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <1 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <0.5 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <0.5 | 0.91 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <0.5 | 3.2 | <1 | <1 | <1 | 1.8 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <0.5 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 2.3 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | 5.91 | | | | 1.8 | | | 1.6 | | | 2.3 | | | | 1.4 |
| Total Concentration of VOCs | | | | | | | 5.9 | | | | 1.8 | | | 1.6 | | | 2.3 | | | | 1.4 |

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

| | | SB51-98-6 (Cont'd) | | | | | | | | | SB51-04-1 | | | | | | | SB51L-98-1A | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-03* | Feb-04* | Aug-04 | Mar-05 | Oct-05 | Feb-06 | Sep-06 | Mar-07 | Sep-07* | Mar-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07 | Apr-98 | Dec-98 | Jun-99 | Mar-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <2 | <2 | <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 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <4 | <4 | <4 | <4 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <1 | <1 | <1 | <1 |
| Chloromethane | | <0.5 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 0.53 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.2 | 0.84 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 5.7 | 10.0 | 17.7 | 11.0 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | 1.7 | 1.0 |
| cis-1,2-Dichloroethene | 6 | 0.55 | <0.5 | 3.8 | 2.0 | 7.1 | 2.3 | 5.1 | 2.6 | 10 | <1 | 3.5 | <1 | <1 | <0.5 | 3.9 | <1 | 23.6 | 37.7 | 84.4 | 34.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 6.6 | 5.6 | 9.2 | 5.3 |
| 1,2-Dichloropropane | 5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 0.99 | 2.6 | 6.4 | 21.9 | 5.1 | 38.7 | <1 | 52.2 | 7.1 | 6.6 | 9.8 | 3.5 | 3.8 | 1.1 | 10.6 | 1.4 | <1 | 1.4 | 3.0 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 0.81 | 1.4 | 6.2 | 8.7 | 6.1 | 9.5 | 4.5 | 12.7 | 6.1 | 4.1 | 5.3 | <1 | 2.8 | <0.5 | 5.7 | <1 | 19.5 | 18.1 | 32.5 | 12.1 |
| Freon-113 | 1200 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | 0.86 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.74 | 4.0 | 16.4 | 32.6 | 18.3 | 50.5 | 9.6 | 68.7 | 24.0 | 10.7 | 18.6 | 3.5 | 6.6 | 1.1 | 20.2 | 1.4 | 55.4 | 72.8 | 148.5 | 63.5 |
| Total Concentration of VOCs | | 3.7 | 4.0 | 16.4 | 32.6 | 18.3 | 50.5 | 9.6 | 68.7 | 24.0 | 10.7 | 18.6 | 3.5 | 6.6 | 1.1 | 20.2 | 1.4 | 55.4 | 72.8 | 148.5 | 63.5 |

# 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 | Oct-00 | Mar-01 | Sep-01 | Mar-02 | Oct-02 | Feb-03 | Sep-03 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | May-07 | Sep-07* | Jun-98 | Jun-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| n-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| sec-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| ter-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| Chlorobenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Isopropylbenzene | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <200 | <200 | <2000 | <1000 | <400 | <100 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | <500 | <500 | <5000 | <2500 | <1000 | <250 |
| Naphthalene | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | <200 | <200 | <2000 | <1000 | <400 | <100 |
| n-Propylbenzene | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| Toluene | 150 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <200 | <200 | <2000 | <1000 | <400 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Bromomethane | 80 | <4 | <40 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <1 | <400 | <400 | <4000 | <2000 | <800 | <200 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Chloroethane | | <30 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <05 | <30 | <0.5 | <3000 | <3000 | <30000 | <15000 | <6000 | <1500 |
| Chloroform | 80 | <3 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Chloromethane | | <1 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| 1,1-Dichloroethane | 5 | 20.4 | 33.4 | 21.9 | 29.9 | 25.6 | 36.0 | 32.7 | 30.4 | 39.9 | 24.0 | 28.1 | 25.0 | 4.9 | 10 | 2,910 | 5,930 | 5,120 | 5,810 | 10,600 | 4,100 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <200 | <200 | <2000 | <1000 | <400 | <100 |
| 1,1-Dichloroethene | 6 | 1.8 | <10 | <10 | <10 | 4.3 | 4.3 | 5.1 | 4.7 | 7.0 | 3.8 | 3.3 | 3.0 | <1 | 0.88 | 962.0 | 5,060 | 2,330 | 1,510 | 3,780 | 1,000 |
| cis-1,2-Dichloroethene | 6 | 103.2 | 156.4 | 126.5 | 169.2 | 141.0 | 235.0 | 272.0 | 243.0 | 214.0 | 176.0 | 224.0 | 180.0 | 54.9 | 110 | <100 | <100 | <1000 | <500 | <200 | <50 |
| trans-1,2-Dichloroethene | 10 | 11.0 | 16.0 | 10.2 | 19.2 | 26.1 | 30.3 | 37.1 | 27.2 | 47.0 | 30.5 | 33.6 | 30.0 | 8.0 | 12 | <100 | <100 | <1000 | <500 | <200 | <50 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <1000 | <500 | <200 | <50 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <200 | <200 | <2000 | <1000 | < 400 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Tetrachloroethene | 5 | 1.4 | <10 | <10 | <10 | 1.7 | 4.9 | 8.2 | 5.2 | 7.5 | 6.4 | 5.8 | 5.70 | <1 | 2.4 | 375.0 | 4,650 | 2,360 | 839 | 917.0 | 506.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 3,010 | 58,400 | 23,100 | 10,600 | 17,100 | 4,590 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Trichloroethene | 5 | 43.3 | 64.4 | 38.6 | 80.3 | 66.3 | 128.0 | 161.0 | 97.1 | 166.0 | 135.0 | 164.0 | 110.0 | 30.8 | 53 | 615.0 | 3,520 | 1,690 | 814 | 1,320 | 494.0 |
| Freon-113 | 1200 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Freon-123A | | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <100 | <100 | <1000 | <500 | <200 | <50 |
| Vinyl Chloride | 0.5 | <1 | <10 | <10 | <10 | 1.1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.5 | <1 | <0.5 | <100 | <100 | <1000 | <500 | <200 | <50 |
| Total Halogenated Hydrocarbons | | 181.1 | 270.2 | 197.2 | 298.6 | 266.1 | 439.6 | 516.1 | 407.6 | 481.4 | 375.7 | 458.8 | 354.2 | 98.6 | 188.3 | 7,872 | 77,560 | 34,600 | 19,573 | 33,717 | 10,690 |
| Total Concentration of VOCs | | 181.1 | 270.2 | 197.2 | 298.6 | 266.1 | 439.6 | 516.1 | 407.6 | 481.4 | 375.7 | 458.8 | 354.2 | 98.6 | 188.3 | 7,872 | 77,560 | 34,600 | 19,573 | 33,717 | 10,690 |

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

| Constituent | MCL | SB64-98-8 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-00 | Oct-00 | Nov-00 | Apr-01 | Jun-01 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| n-Butylbenzene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| sec-Butylbenzene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| ter-Butylbenzene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Chlorobenzene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Ethylbenzene | 300 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Isopropylbenzene | | <200 | <500 | <200 | <400 | <1000 | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <0.5 | <1000 | <200 | <200 | <1000 | <200 | <200 |
| p-Isopropyltoluene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <500 | <1250 | <500 | <1000 | <2500 | <2500 | <500 | <500 | <2500 | <500 | <500 | <2500 | <500 | <2500 | <0.5 | <2500 | <500 | <500 | <2500 | <500 | <500 |
| Naphthalene | | <200 | <500 | <200 | <400 | <1000 | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <0.5 | <1000 | <200 | <200 | <1000 | <200 | <200 |
| n-Propylbenzene | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Toluene | 150 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 1.2 | <500 | <100 | <100 | <500 | <100 | <100 |
| Xylenes, total | 1750 | <200 | <500 | <200 | <400 | <1000 | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | <1 | <1000 | <200 | <200 | <1000 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 1.2 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Bromomethane | 80 | <400 | <1000 | <400 | <800 | <5000 | <5000 | <1000 | <1000 | <5000 | <1000 | <1000 | <5000 | <1000 | <5000 | <1 | <5000 | <1000 | <1000 | <5000 | <1000 | <1000 |
| Carbon Tetrachloride | 0.5 | 1,564 | 415.4 | 470.0 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Chloroethane | | <3000 | <7500 | <3000 | <6000 | <15000 | <15000 | <3000 | <3000 | <15000 | <3000 | <3000 | <15000 | <3000 | <15000 | 3.1 | <15000 | <3000 | <3000 | <15000 | <3000 | <3000 |
| Chloroform | 80 | <300 | <750 | <300 | <600 | <1500 | <1500 | <300 | <300 | <1500 | <300 | <300 | <1500 | <300 | <1500 | <0.5 | <1500 | <300 | <300 | <1500 | <300 | <300 |
| Chloromethane | | <100 | <250 | <100 | <200 | <5000 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <5000 | <1000 | <500 | <0.5 | <500 | <1000 | <1000 | <5000 | <1000 | <1000 |
| 1,1-Dichloroethane | 5 | 11,969 | 24,062 | 19,576 | 10,076 | 15,271 | 13,672 | 15,752 | 15,601 | 10,861 | 9,527 | 10,600 | 15,800 | 6,190 | 8,780 | 8,200 | 9,460 | 12,200 | 12,400 | 12,400 | 8,690 | 7,170 |
| 1,2-Dichloroethane | 0.5 | <200 | <500 | <200 | <400 | <1000 | <1000 | 272.9 | <200 | <1000 | <200 | <200 | <1000 | <200 | <1000 | 60.0 | <1000 | <200 | <200 | <1000 | <200 | <200 |
| 1,1-Dichloroethene | 6 | 2,550 | 5,345 | 4,327 | 1,782 | 3,053 | 2,296 | 2,587 | 2,943 | 1,862 | 1,414 | 1,640 | 2,210 | 782.0 | 1,580 | 1,300 | 1,930 | 2,010 | 2,310 | 2,390 | 1,760 | 1,350 |
| cis-1,2-Dichloroethene | 6 | 107.0 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 83.0 | <500 | 112.0 | 116.0 | <500 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 1.7 | <500 | <100 | <100 | <500 | <100 | <100 |
| 1,2-Dichloropropane | 5 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Methylene Chloride | 5 | 110.0 | 378.1 | 320.0 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 3.4 | <500 | <100 | <100 | <500 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <200 | <500 | <200 | <400 | <1000 | <1000 | <200 | <200 | <1000 | <200 | <200 | <1000 | <200 | <100 | <0.5 | <100 | <200 | <200 | <100 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Tetrachloroethene | 5 | 1,025 | 1,493 | 1,218 | <200 | 941.6 | <500 | 773.9 | 307.4 | <500 | 229.1 | 524.0 | 692.0 | 232.0 | <500 | 350.0 | <500 | 801.0 | 686.0 | 813.0 | 771.0 | 826.0 |
| 1,1,1-Trichloroethane | 200 | 8,397 | 2,810 | 3,177 | 1,085 | 712.1 | <500 | 391.0 | 199.2 | <500 | 124.3 | 222.0 | <500 | 110.0 | <500 | 110.0 | <500 | 231.0 | 288.0 | <500 | 171.0 | 113.0 |
| 1,1,2-Trichloroethane | 5 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | 11.0 | <500 | <100 | <100 | <500 | <100 | <100 |
| Trichloroethene | 5 | 1,330 | 3,234 | 2,327 | 959.1 | 2,103 | 1,304 | 1,940 | 1,345 | 1,102 | 836.7 | 1,170 | 1,590 | 547.0 | 1,280 | 950.0 | 1,500 | 1,850 | 1,710 | 1,990 | 1,610 | 1,490 |
| Freon-113 | 1200 | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | <100 | <500 | <0.5 | <500 | <100 | <100 | <500 | <100 | <100 |
| Freon-123A | | <100 | <250 | <100 | <200 | <500 | <500 | <100 | <100 | <500 | <100 | <100 | <500 | | | | | | | | | |
| Vinyl Chloride | 0.5 | <100 | <250 | <100 | <200 | <500 | <500 | 159.7 | 345.9 | <500 | 343.9 | 247.0 | <500 | 334.0 | <500 | 22.0 | <500 | <100 | <100 | <500 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 27,052 | 37,737 | 31,415 | 13,902 | 22,080 | 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 |
| Total Concentration of VOCs | | 27,052 | 37,737 | 31,415 | 13,902 | 22,080 | 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 |

# 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) 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 | Nov-05 | Dec-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| n-Butylbenzene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| sec-Butylbenzene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| ter-Butylbenzene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Chlorobenzene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Isopropylbenzene | | <200 | <200 | <200 | <1000 | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <2500 | <500 | <250 | <250 | <5 | <250 | <250 | <250 | <250 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <250 |
| Naphthalene | | <200 | <200 | <200 | <1000 | <200 | 117.0 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 |
| n-Propylbenzene | | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Toluene | 150 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <1000 | <200 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | 117.0 | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Bromomethane | 80 | <1000 | <1000 | <1000 | <5000 | <1000 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <10 | <10 | <10 | <10 | <100 | <100 | <500 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Chloroethane | | <3000 | <3000 | <3000 | <15000 | <3000 | <1500 | <1500 | <5 | <1500 | <1500 | <1500 | <1500 | <5 | <30 | <30 | <30 | <30 | <300 | <300 | <1500 |
| Chloroform | 80 | <300 | <300 | <300 | <1500 | <300 | <150 | <150 | <5 | <150 | <150 | <150 | <150 | <5 | <30 | <30 | <30 | <30 | <30 | <30 | <150 |
| Chloromethane | | <1000 | <1000 | <1000 | <1000 | <1000 | <500 | <500 | <5 | <500 | <500 | <500 | <500 | <5 | <10 | <10 | <10 | <10 | <100 | <100 | <500 |
| 1,1-Dichloroethane | 5 | 4,770 | 4,350 | 2,970 | 2,820 | 2,280 | 1,980 | 2,880 | 2,700 | 2,480 | 2,110 | 1,110 | 827.0 | 760.0 | 813 | 495 | 598 | 789 | 800.0 | 932.0 | 912 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <1000 | <200 | <100 | <100 | 30.0# | <100 | <100 | <100 | <100 | 8.3 | <20 | <20 | <20 | <20 | <20 | <20 | <100 |
| 1,1-Dichloroethene | 6 | 919.0 | 834.0 | 727.0 | <500 | 371.0 | 319.0 | 577.0 | 500.0# | 243.0 | 410.0 | 196.0 | 153.0 | 150.0 | 144.0 | 63.8 | 99.1 | 144.0 | 161.0 | 178.0 | 199.0 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | 30.0# | <50 | <50 | <50 | <50 | 6.9 | <10 | <10 | <10 | <10 | 12.8 | 11.8 | <50 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | 41.0# | <50 | <50 | <50 | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <1000 | <200 | <100 | <100 | <5 | <100 | <100 | <100 | <100 | <5 | <20 | <20 | <20 | <20 | <20 | <20 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Tetrachloroethene | 5 | 548.0 | 612.0 | 441.0 | <500 | 304.0 | 228.0 | 322.0 | 400.0 | 80.7 | 184.0 | 116.0 | 112.0 | 87.0 | 104.0 | 54.3 | 32.1 | 85.9 | 108.0 | 101.0 | 115.0 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | 26.0# | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | 5.7 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Trichloroethene | 5 | 1,010 | 1,050 | 759.0 | <500 | 527.0 | 453.0 | 620.0 | 660.0# | 279.0 | 412.0 | 240.0 | 277.0 | 170.0 | 180.0 | 110.0 | 115.0 | 201.0 | 249.0 | 232.0 | 207.0 |
| Freon-113 | 1200 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Freon-123A | | | | | | | | | <5 | | | | | | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Vinyl Chloride | 0.5 | <100 | <100 | <100 | <500 | <100 | <50 | <50 | 27.0# | 95.2 | <50 | <50 | <50 | 10.0 | <10 | <10 | <10 | <10 | <10 | <10 | <50 |
| Total Halogenated Hydrocarbons | | 7,247 | 6,846 | 4,897 | 2,820 | 3,482 | 2,980 | 4,399 | 4,419.7 | 3,177.9 | 3,116 | 1,662 | 1,369.0 | 1,192.2 | 1,241.0 | 723.1 | 844.2 | 1,219.9 | 1,330.8 | 1,454.8 | 1,433.0 |
| Total Concentration of VOCs | | 7,247 | 6,846 | 4,897 | 2,820 | 3,482 | 3,097 | 4,399 | 4,420 | 3,178 | 3,116 | 1,662 | 1,369 | 1,192 | 1,241 | 723.1 | 844.2 | 1,220 | 1,331 | 1,455 | 1,433 |

# 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) 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 | Feb-07 | Mar-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chlorobenzene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <250 | <25 | <25 | <25 | <25 | <50 | <25 | <25 | <25 | <25 | <25 | <50 | | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromomethane | 80 | <500 | <50 | <50 | <50 | <50 | <100 | <50 | <50 | <50 | <50 | <50 | <100 | <1 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chloroethane | | <1500 | <150 | <150 | <150 | <150 | <300 | <150 | <150 | <150 | <150 | <150 | <300 | <0.5 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloroform | 80 | <150 | <15 | <15 | <15 | <15 | <30 | <15 | <15 | <15 | <15 | <15 | <30 | <0.5 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| Chloromethane | | <500 | <50 | <50 | <50 | <50 | <100 | <50 | <50 | <50 | <50 | <50 | <100 | <0.5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 546 | 721 | 679 | 505 | 481 | 474.0 | 372 | 402 | 333 | 353 | 337 | 272.0 | 260 | 318 | 321 | 239 | 216 | 184 | 197 | 200 |
| 1,2-Dichloroethane | 0.5 | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | 2.70 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 94.7 | 138.0 | 128.0 | 90.5 | 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 |
| cis-1,2-Dichloroethene | 6 | <50 | 8.2 | 7.6 | <5 | <5 | <10 | <5 | <5 | 5.7 | <5 | <5 | <10 | 3.8 | <5 | <5 | 5.3 | <5 | <5 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <100 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | <10 | <10 | <10 | <20 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 96.3 | 105.0 | 95.8 | 72.8 | 78.7 | 90.8 | 62.2 | 61.3 | 60.1 | 78.7 | 54.2 | 47.1 | 36.0 | 32.9 | 62.0 | 69.0 | 40.2 | 53.8 | 40.1 | 47.3 |
| 1,1,1-Trichloroethane | 200 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 1.4 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 0.57 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 171.0 | 192.0 | 180.0 | 135.0 | 131.0 | 144.0 | 113.0 | 119.0 | 105.0 | 124.0 | 98.8 | 93.4 | 67 | 78.0 | 111.0 | 110.0 | 74.8 | 79.7 | 80.1 | 79.3 |
| Freon-113 | 1200 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <50 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <10 | 7.2 | <5 | 7.5 | 11.3 | <5 | 10.7 | <5 | 7.3 |
| Total Halogenated Hydrocarbons | | 908.0 | 1,164.2 | 1,090.4 | 803.3 | 768.1 | 801.6 | 605.5 | 641.0 | 548.6 | 622.5 | 502.1 | 452.8 | 416.7 | 473.7 | 559.4 | 483.1 | 366.9 | 365.7 | 349.5 | 370.8 |
| Total Concentration of VOCs | | 908.0 | 1,164 | 1,090 | 803.3 | 768.1 | 801.6 | 605.5 | 641.0 | 548.6 | 622.5 | 502.1 | 452.8 | 416.7 | 473.7 | 559.4 | 483.1 | 366.9 | 365.7 | 349.5 | 370.8 |

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

| Constituent | MCL | SB64-98-8 (Cont'd) | | | | | | SB64-98-12 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chlorobenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <25 | <25 | <25 | <25 | <25 | | <5 | <5 | <5 | <50 | <5000 | <50 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <4 | <4 | <4 | <40 | <4000 | <40 | <4 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | 12.3 | 6.3 | 2.3 | 1.9 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <150 | <150 | <150 | <150 | <150 | <150 | 2.4 | <30 | <30 | <30 | <300 | <30000 | <300 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <15 | <15 | <15 | <15 | <15 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <30 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 159 | 219 | 193 | 157 | 224 | 254 | 190.0 | 167.0 | 359.0 | 530.0 | 430.0 | 8,270 | 478.8 | 243.0 | 148.0 | 143.2 | 76.0 | 125.0 | 64.7 | 106.0 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | 0.97 | <2 | 2.2 | 2.4 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 24.7 | 40.4 | 30.2 | 15.6 | 41.3 | 43.3 | 25.0 | 31.2 | 52.4 | 116.0 | 50.8 | 4,380 | 62.1 | 56.8 | 34.0 | 38.7 | 20.0 | 28.0 | 18.1 | 20.6 |
| cis-1,2-Dichloroethene | 6 | <5 | 5.3 | <5 | <5 | <5 | 6.3 | 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 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <1 | <1 | <1 | 1.3 | <10 | <1000 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <2 | <2 | <2 | <20 | <2000 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 27.7 | 47.6 | 36.8 | 29.3 | 59.4 | 52.2 | 8.7 | 7.0 | 12.8 | 17.6 | 12.8 | 11,500 | 18.0 | 8.3 | 3.5 | 5.4 | 3.6 | 3.9 | <1 | 8.2 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <5 | <5 | <5 | <5 | 3.0 | 3.8 | 30.2 | 118.0 | 14.5 | 115,000 | 85.3 | 47.8 | 15.3 | 13.5 | 3.7 | 4.8 | <1 | 1.5 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 54.1 | 81.0 | 66.5 | 54.9 | 89.5 | 95.0 | 21.0 | 19.8 | 28.9 | 69.5 | 42.7 | 6,310 | 54.0 | 44.3 | 21.3 | 37.7 | 19.0 | 31.3 | 21.5 | 30.6 |
| Freon-113 | 1200 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <5 | <5 | <5 | <5 | <5 | <5 | | <1 | <1 | <1 | <10 | <1000 | <10 | <1 | <1 | <1 | | <1 | <1 | |
| Vinyl Chloride | 0.5 | <5 | 8.1 | 9.3 | <5 | 7.8 | 5.2 | 22.0 | 36.2 | 24.4 | 4.8 | 66.8 | <1000 | 36.6 | 5.7 | 6.6 | 2.1 | 3.0 | 1.8 | 3.2 | <1 |
| Total Halogenated Hydrocarbons | | 265.5 | 401.4 | 335.8 | 256.8 | 422.0 | 456.0 | 277.97 | 269.1 | 513.5 | 863.5 | 617.6 | 145,460 | 747.1 | 420.3 | 235.2 | 248.1 | 128.9 | 199.7 | 112.4 | 172.7 |
| Total Concentration of VOCs | | 265.5 | 401.4 | 335.8 | 256.8 | 422.0 | 456.0 | 277.97 | 269.1 | 513.5 | 863.5 | 617.6 | 145,460 | 747.1 | 420.3 | 235.2 | 248.1 | 128.9 | 199.7 | 112.4 | 172.7 |

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

| Constituent | MCL | SB64-98-12 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Sep-05 | Oct-05 | Nov-05 | Dec-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 | | <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 | 81.1 | 146.0 | 126.0 | 77.8 | 208.0 | 139.0 | 172.0 | 145.0 | 122.0 | 102.0 | 79.6 | 186.0 | 133.0 | 292.0 | 106.0 | 112.0 | 104.0 | 141.0 | 120.0 | 80.8 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 2.6 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 18.7 | 18.4 | 23.7 | 34.8 | 26.8 | 19.3 | 26.3 | 24.3 | 17.5 | 25.2 | 22.4 | 19.3 | 26.3 | 26.2 | 21.4 | 16.4 | 17.3 | 15.7 | 13.0 | 15.7 |
| cis-1,2-Dichloroethene | 6 | 6.6 | 6.8 | 8.0 | 8.0 | 7.6 | 8.3 | 9.0 | 10.0 | 9.0 | 7.8 | 7.3 | 6.1 | 6.6 | 7.6 | 8.2 | 8.9 | 8.0 | 7.2 | 8.0 | 12.9 |
| 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 | 6.9 | 8.4 | 13.8 | 74.5 | 28.2 | 13.7 | 10.4 | 8.1 | 7.4 | 31.6 | 16.0 | 36.5 | 40.2 | 25.0 | 24.4 | 10.9 | 10.7 | 9.1 | 6.7 | 6.8 |
| 1,1,1-Trichloroethane | 200 | <1 | 1.4 | 1.4 | 1.9 | 1.8 | <1 | 1.8 | 1.6 | <1 | 1.1 | <1 | 2.0 | 2.5 | 4.1 | <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 | 45.6 | 45.3 | 56.1 | 75.1 | 58.1 | 44.6 | 45.7 | 43.3 | 43.9 | 60.5 | 53.0 | 56.4 | 62.8 | 61.8 | 53.1 | 40.6 | 40.1 | 38.4 | 32.9 | 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 |
| Vinyl Chloride | 0.5 | <1 | <1 | 2.6 | <1 | <1 | <1 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | 3.4 | <1 | 6.1 | <1 | 1.2 | 2.5 |
| Total Halogenated Hydrocarbons | | 158.9 | 226.3 | 231.6 | 272.1 | 330.5 | 224.9 | 265.2 | 235.5 | 199.8 | 228.2 | 178.3 | 306.3 | 271.4 | 419.3 | 216.5 | 188.8 | 186.2 | 211.4 | 181.8 | 160.0 |
| Total Concentration of VOCs | | 158.9 | 226.3 | 231.6 | 272.1 | 330.5 | 224.9 | 265.2 | 235.5 | 199.8 | 228.2 | 178.3 | 306.3 | 271.4 | 419.3 | 216.5 | 188.8 | 186.2 | 211.4 | 181.8 | 160.0 |

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

| Constituent | MCL | SB64-98-12 (Cont'd) | | | | | SB64-98-13 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-06 | Mar-06* | Sep-06 | Mar-07* | Sep-07* | May-98* | Jun-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 | Oct-00 | Apr-01 # | Sep-01 | Mar-02 | Oct-02* | Mar-03 | Sep-03 | Mar-04 | Jun-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | | | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | | | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | | | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | | | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | | | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | | | | <5 | <50 | <5 | <500 | <50 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | | <2 | | | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | | | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <1 | <1 | <30 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <1 | <10 | <1 | <1 | <10 | <4 | <40 | <4 | <400 | <40 | <4 | <4 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | 5.5 | 1.0 | 1.9 | 3.4 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | 2 | <30 | 1.5 | 0.97 | <10 | <30 | <300 | <30 | <3000 | <300 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <0.5 | <10 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | 1.4 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 85.7 | 72 | 175.0 | 100 | 65 | 120.0 | 96.6 | 221.0 | 965.0 | 372.0 | 412.0 | 105.6 | 54.3 | 65.0 | 69.5 | 43.0 | 82.4 | 43.1 | 36.7 | 46.6 |
| 1,2-Dichloroethane | 0.5 | <2 | 0.66 | <2 | 0.71 | <0.5 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 14.9 | 14 | 19.9 | 14 | 12 | 33.0 | 35.5 | 103.0 | 527.0 | <100 | 89.0 | 12.8 | 10.4 | 8.9 | 10.5 | 5.9 | 10.5 | 5.1 | 6.0 | 7.5 |
| cis-1,2-Dichloroethene | 6 | 11.1 | 10 | 11.9 | 15 | 15 | <10 | <1 | <10 | 1.5 | <100 | <10 | <1 | <1 | <1 | <1 | 0.65 | 1.1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.56 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <30 | <1 | <10 | 4.9 | <100 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <0.5 | <0.5 | <10 | <2 | <20 | <2 | <200 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.2 | 8.3 | 7.9 | 5.6 | 5.7 | <10 | <1 | 21.8 | 174.0 | <100 | 12.5 | 1.8 | <1 | 1.1 | 1.4 | <0.5 | 1.1 | <1 | <1 | 1.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | 0.55 | <0.5 | 1,000 | 402.0 | 1,640 | 10,500 | 723.0 | 135.0 | 35.1 | 7.0 | 12.6 | 24.6 | 14.0 | 24.0 | 8.7 | 3.9 | 6.1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 39.8 | 42 | 39.5 | 30 | 29 | 13.0 | 4.9 | 32.8 | 222.0 | <100 | 26.1 | 13.4 | 8.4 | 14.9 | 25.8 | 9.6 | 24.0 | 15.5 | 13.4 | 23.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | | | | <1 | <10 | <1 | <100 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | | |
| Vinyl Chloride | 0.5 | 2.3 | 3.6 | 2.3 | <0.5 | 0.64 | <10 | <1 | <10 | 4.4 | <100 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 160.0 | 153.12 | 256.5 | 167.36 | 128.3 | 1,166 | 539.0 | 2018.6 | 12,399 | 1,095.0 | 674.6 | 174.2 | 82.5 | 104.4 | 135.2 | 73.15 | 143.1 | 72.4 | 60.0 | 84.4 |
| Total Concentration of VOCs | | 160.0 | 153.1 | 256.5 | 167.4 | 128.3 | 1,166 | 539.0 | 2,019 | 12,399 | 1,095 | 674.6 | 174.2 | 82.5 | 104.4 | 135.2 | 73.15 | 143.1 | 72.4 | 60.0 | 84.4 |

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

| | | SB64-98-13(Cont'd) | | | | | | | SB64-98-17 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07* | Sep-07* | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | 6.7 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Chlorobenzene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | | | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | | | <0.5 | <200 | <500 | <50 | <1000 | <500 | <500 | <500 | <500 | <500 | <50 | <500 | <250 |
| Naphthalene | | <2 | <2 | <2 | | <2 | | | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | | | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | 0.89 | <200 | 131.0 | 19.9 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <1 | <300 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | 7.59 | | 131.0 | 19.9 | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Bromomethane | 80 | <10 | <10 | <10 | <1 | <10 | <1 | <1 | <0.5 | <200 | <400 | <40 | <800 | <400 | <400 | <1000 | <1000 | <1000 | <100 | <1000 | <500 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <0.5 | <0.5 | 5.2 | <200 | <3000 | <300 | <6000 | <3000 | <3000 | <3000 | <3000 | <3000 | <300 | <3000 | <1500 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <600 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <150 |
| Chloromethane | | <10 | <10 | <10 | <0.5 | <10 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | 207.3 | <1000 | <100 | <100 | <100 | <100 | <500 |
| 1,1-Dichloroethane | 5 | 47.1 | 30.0 | 31.5 | 32 | 38.3 | 40 | 33 | 8000 | 7200 | 14,100 | 6,130 | 11,660 | 11,752 | 7,006 | 5,524 | 5,231.8 | 1,835.3 | 1,270 | 2,360 | 4,340 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | 67.0 | <200 | <200 | 81.8 | <400 | <200 | <200 | <200 | <200 | <100 | <20 | <200 | <100 |
| 1,1-Dichloroethene | 6 | 6.0 | 7.4 | 6.2 | 4.9 | 6.8 | 5.9 | 6.2 | 710.0 | 970.0 | 1,740 | 1,070 | 1,659 | 1,149 | 797.1 | 382.7 | 335.7 | 134.8 | 95.7 | <100 | 145.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 0.86 | <1 | 1.1 | 0.76 | 4.1 | <200 | <100 | 15.0 | <200 | <100 | <100 | <100 | <100 | <100 | 36.3 | <100 | <50 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | 0.54 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 350.0 | 480.0 | <100 | 13.8 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <200 | <200 | <20 | <400 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 0.9 | <1 | 1.2 | 1.1 | 6.3 | <200 | <100 | 55.1 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| 1,1,1-Trichloroethane | 200 | 4.8 | 2.2 | 1.8 | 1.8 | 1.4 | 2.1 | 1.3 | 2.1 | <200 | <100 | 10.2 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | 10.0 | <200 | <100 | 13.2 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Trichloroethene | 5 | 22.8 | 15.0 | 14.9 | 19 | 16.0 | 23 | 19 | 310.0 | 420.0 | 634.0 | 499.0 | 804.0 | 456.4 | 312.6 | 242.8 | 180.3 | <100 | 18.6 | <100 | 104.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <200 | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Freon-123A | | | | <1 | | <1 | | | | | <100 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <50 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | 12.0 | <200 | <100 | 36.5 | <200 | <100 | <100 | <100 | <100 | <100 | 26.0 | <100 | <50 |
| Total Halogenated Hydrocarbons | | 80.7 | 54.6 | 54.4 | 59.5 | 62.5 | 73.30 | 61.4 | 9477.24 | 9,070 | 16,474 | 7,924.6 | 14,123 | 13,358 | 8,323 | 6,149 | 5,747.8 | 1,970.1 | 1,446.6 | 2,360.0 | 4,589.0 |
| Total Concentration of VOCs | | 80.7 | 54.6 | 54.4 | 59.5 | 62.5 | 73.3 | 61.4 | 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 |

# 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-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 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| n-Butylbenzene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| sec-Butylbenzene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| ter-Butylbenzene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Chlorobenzene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Isopropylbenzene | | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <250 | <250 | <0.5 | <500 | <50 | <250 | <250 | <250 | <5 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <1 | <50 | <50 | <5 |
| Naphthalene | | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 |
| n-Propylbenzene | | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Toluene | 150 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <100 | <100 | <1 | <200 | <20 | <100 | <100 | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Bromomethane | 80 | <100 | <100 | <1 | <1000 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Chloroethane | | <1500 | <1500 | 2.8 | <3000 | <300 | <1500 | <1500 | <1500 | <30 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <1 | <300 | <300 | <30 |
| Chloroform | 80 | <150 | <150 | <0.5 | <300 | <30 | <150 | <150 | <150 | <3 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <1 | <30 | <30 | <3 |
| Chloromethane | | <500 | <500 | <0.5 | <1000 | <100 | <500 | <500 | <500 | <10 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 2,890 | 2,230 | 1,800 | 1,480 | 1,380 | 1,110 | 906.0 | 820.0 | 820.0 | 751.0 | 653.0 | 462.0 | 572.0 | 763.0 | 579.0 | 422.0 | 400.0# | 435.0 | 321.0 | 292.0 |
| 1,2-Dichloroethane | 0.5 | <100 | <100 | 9.9 | <200 | <20 | <100 | <100 | <100 | 3.6 | <20 | <20 | <20 | <20 | 3.0 | <20 | <20 | 2.6# | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 175.0 | 172.0 | 120.0 | 104.0 | 81.9 | 66.0 | 57.2 | <50 | 49.7 | 61.0 | 45.4 | 48.4 | 56.0 | 47.8 | 42.4 | 41.3 | 33.0# | 38.5 | <10 | 29.7 |
| cis-1,2-Dichloroethene | 6 | <50 | <50 | 6.4 | <100 | <10 | <50 | <50 | <50 | 2.6 | <10 | <10 | <10 | <10 | 5.6 | <10 | <10 | 3.9# | <10 | <10 | 3.3 |
| trans-1,2-Dichloroethene | 10 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <50 | <50 | 1.7 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 2.9# | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <100 | <0.5 | <200 | <20 | <100 | <100 | <100 | <2 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <1 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | <50 | <50 | 5.6# | <100 | <10 | <50 | <50 | <50 | 3.8 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 1.6 | <10 | <10 | <1 |
| 1,1,1-Trichloroethane | 200 | <50 | <50 | 0.98 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Trichloroethene | 5 | 65.3 | 60.8 | 56.0 | <100 | 36.0 | <50 | <50 | <50 | 22.9 | 23.0 | 23.9 | 17.9 | 19.0 | 17.3 | 16.9 | <10 | 12.0# | 13.7 | <10 | 9.0 |
| Freon-113 | 1200 | <50 | <50 | <0.5 | <100 | <10 | <50 | <50 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <50 | <50 | 2.2 | <100 | 11.9 | <50 | <50 | <50 | 14.4 | 34.4 | 22.2 | 22.6 | 18.0 | 19.2 | <10 | <10 | <1 | <10 | <10 | 7.5 |
| Total Halogenated Hydrocarbons | | 3,130.3 | 2,462.8 | 2005.6 | 1,584.0 | 1,509.8 | 1,176.0 | 963.2 | 820.0 | 917.0 | 869.4 | 744.5 | 550.9 | 665.0 | 855.9 | 638.3 | 463.3 | 456.0 | 487.2 | 321.0 | 341.5 |
| Total Concentration of VOCs | | 3,130 | 2,463 | 2,006 | 1,584 | 1,510 | 1,176 | 963.2 | 820.0 | 917.0 | 869.4 | 744.5 | 550.9 | 665.0 | 855.9 | 638.3 | 463.3 | 456.0 | 487.2 | 321.0 | 341.5 |

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

| Constituent | MCL | SB64-98-17 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <2.5 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <5.0 | <2 | <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 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <2.5 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <2.5 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <2.5 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <2.5 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 420.0 | 290.0 | 260.0 | 186.0 | 301.0 | 247.0 | 275.0 | 329.0 | 241.0 | 134.0 | 150.0 | 161.0 | 97.9 | 132.0 | 95.9 | 156.0 | 138.0 | 129.0 | 126.0 | 141.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 36.8 | 30.0 | 27.2 | <10 | 28.8 | 33.0 | 26.7 | 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 |
| cis-1,2-Dichloroethene | 6 | 4.3 | <2.5 | 2.8 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 2.4 | 2.9 | 2.0 | 2.7 | 2.0 | 3.8 | 2.9 | 2.7 | 2.3 | 3.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <5.0 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2.5 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <2.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 9.2 | 8.0 | 7.6 | <10 | 14.1 | <10 | <10 | <10 | <10 | <10 | 4.0 | 4.7 | 2.9 | 3.1 | 2.6 | 3.4 | 3.7 | 3.5 | 3.6 | 3.6 |
| Freon-113 | 1200 | <1 | <2.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 7.9 | 6.2 | 10.7 | <10 | <10 | <10 | <10 | <10 | 12.3 | <10 | 1.9 | 1.8 | 2.4 | <1 | <1 | 4.9 | 2.3 | <1 | <1 | 1.9 |
| Total Halogenated Hydrocarbons | | 478.2 | 334.2 | 308.3 | 186.0 | 343.9 | 280.0 | 301.7 | 361.9 | 279.8 | 154.8 | 173.9 | 186.6 | 114.6 | 151.4 | 109.6 | 182.0 | 159.4 | 138.0 | 131.9 | 159.9 |
| Total Concentration of VOCs | | 478.2 | 334.2 | 308.3 | 186.0 | 343.9 | 280.0 | 301.7 | 361.9 | 279.8 | 154.8 | 173.9 | 186.6 | 114.6 | 151.4 | 109.6 | 182.0 | 159.4 | 138.0 | 131.9 | 159.9 |

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

| | | SB64-98-17 (Cont'd) | | | | | | | | | | | | | | | SB64-99-4 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-07 | Sep-07 | May-99 | Jun-99 | Jul-00 | Jun-01 | Sep-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 | <100 | <500 | <100 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Chlorobenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <1000 | <200 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Methyl tert-Butyl Ether | 13 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <500 | <2500 | <500 |
| Naphthalene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <1000 | <200 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <1000 | <200 |
| 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 | <100 | <500 | <100 |
| Bromomethane | 80 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <4 | <4 | <400 | <5000 | <1000 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3000 | <15000 | <3000 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <300 | <1500 | <300 |
| Chloromethane | | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <100 | <5000 | <1000 |
| 1,1-Dichloroethane | 5 | 131.0 | 140 | 126.0 | 141.0 | 82.0 | 140.0 | 50.7 | 83.3 | 46.2 | 65.6 | 45.8 | 129.0 | 64.4 | 77.7 | 40.6 | saturated | 9,830 | 15,244 | 7,427 | 6,508 |
| 1,2-Dichloroethane | 0.5 | <2 | 0.79 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 59.1 | 113.0 | <200 | <1000 | <200 |
| 1,1-Dichloroethene | 6 | 11.3 | 8.8 | 11.9 | 13.2 | 9.7 | 14.3 | 5.0 | 8.9 | 4.8 | 7.0 | 5.1 | 11.7 | 7.7 | 8.2 | 8.1 | saturated | 1,440 | 2,538 | <500 | 453.0 |
| cis-1,2-Dichloroethene | 6 | 3.0 | 2.8 | 3.0 | 3.5 | 2.3 | 5.0 | 1.4 | 2.2 | 1.2 | 1.7 | 1.3 | 3.3 | 1.7 | 1.9 | <1 | 8.9 | 26.8 | <100 | <500 | <100 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 159.0 | <1 | <100 | <500 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 14.4 | <200 | <1000 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 93.0 | 265.0 | 231.0 | <500 | <100 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 180.0 | 642.0 | <100 | <500 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.6 | <1 | <100 | <500 | <100 |
| Trichloroethene | 5 | 3.5 | 3.6 | 2.8 | 3.8 | 3.0 | 4.2 | 1.6 | 3.2 | 1.5 | 1.9 | 1.4 | 2.9 | 4.2 | 2.9 | 5.3 | saturated | 788.0 | 1,044 | <500 | 227.2 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <500 | <100 |
| Vinyl Chloride | 0.5 | 2.8 | <0.5 | 8.1 | 3.3 | 3.5 | 1.6 | <1 | <1 | <1 | 1.6 | <1 | 2.1 | 2.6 | 2.9 | <1 | 9.9 | 33.2 | <100 | <500 | <100 |
| Total Halogenated Hydrocarbons | | 151.6 | 156.0 | 151.8 | 164.8 | 100.5 | 165.1 | 58.7 | 97.6 | 53.7 | 77.8 | 53.6 | 149.0 | 80.6 | 93.6 | 54.0 | 518.5 | 13,152.4 | 19,057 | 7,427 | 7,188.2 |
| Total Concentration of VOCs | | 151.6 | 156.0 | 151.8 | 164.8 | 100.5 | 165.1 | 58.7 | 97.6 | 53.7 | 77.8 | 53.6 | 149.0 | 80.6 | 93.6 | 54.0 | 518.5 | 13,152 | 19,057 | 7,427 | 7,188 |

# 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-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 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| n-Butylbenzene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| sec-Butylbenzene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| ter-Butylbenzene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Chlorobenzene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Ethylbenzene | 300 | <100 | <10 | <10 | <1 | <50 | <30 | <0.5 | <50 | <50 | <30 | <30 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Isopropylbenzene | | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 | <100 | <200 | <200 | <100 | <100 |
| p-Isopropyltoluene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Methyl tert-Butyl Ether | 13 | <500 | <50 | <50 | <5 | <250 | <50 | <0.5 | <250 | <250 | <50 | <50 | <5 | <500 | <250 | <250 | <250 | <500 | <500 | <250 | <250 |
| Naphthalene | | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 | <100 | <200 | <200 | <100 | <100 |
| n-Propylbenzene | | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Toluene | 150 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Xylenes, total | 1750 | <200 | <20 | <20 | <2 | <100 | <20 | <1 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 | <100 | <200 | <200 | <100 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Bromomethane | 80 | <1000 | <100 | <100 | <10 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <10 | <1000 | <100 | <100 | <100 | <1000 | <1000 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Chloroethane | | <3000 | <300 | <300 | <30 | <1500 | <300 | 2.9 | <1500 | <1500 | <300 | <300 | <30 | <3000 | <1500 | <1500 | <1500 | <3000 | <3000 | <1500 | <1500 |
| Chloroform | 80 | <300 | <30 | <30 | <3 | <150 | <30 | <0.5 | <150 | <150 | <30 | <30 | <3 | <300 | <150 | <150 | <150 | <300 | <300 | <150 | <150 |
| Chloromethane | | <1000 | <100 | <100 | <10 | <500 | <100 | <0.5 | <500 | <500 | <100 | <100 | <10 | <1000 | <500 | <500 | <500 | <1000 | <1000 | <500 | <500 |
| 1,1-Dichloroethane | 5 | 4,711 | 1,605 | 1,590 | 55.0 | 438.0 | 2,420 | 2,300 | 2,770 | 3,930 | 4,600 | 4,510 | 4,100 | 3,550 | 3,920 | 2,640 | 4,030 | 2,390 | 2,140 | 3,570 | 3,670 |
| 1,2-Dichloroethane | 0.5 | <200 | <10 | <20 | <2 | <100 | <20 | 16.0 | <100 | <100 | 31.4 | 34.7 | 25.4 | <200 | <100 | <100 | <100 | <200 | <200 | <100 | <100 |
| 1,1-Dichloroethene | 6 | 325.5 | 43.0 | 100.6 | 10.6 | 66.3 | 257.0 | 200.0 | 221.0 | 279.0 | 387.0 | 400.0 | 287.0 | 218.0 | 260.0 | 197.0 | 347.0 | 295.0 | <100 | 287.0 | 282.0 |
| cis-1,2-Dichloroethene | 6 | <100 | <10 | 11.7 | <1 | <50 | 23.0 | 25.0 | <50 | <50 | 30.3 | 30.2 | 30.4 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| trans-1,2-Dichloroethene | 10 | <100 | <10 | <10 | <1 | <50 | <10 | 0.64 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| 1,2-Dichloropropane | 5 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Methylene Chloride | 5 | <100 | <10 | <10 | <1 | <50 | <10 | 3.1 | <50 | <50 | <10 | <10 | 3.3 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | <200 | <20 | <20 | <2 | <100 | <20 | <0.5 | <100 | <100 | <20 | <20 | <2 | <200 | <100 | <100 | <100 | <200 | <200 | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Tetrachloroethene | 5 | <100 | <10 | <10 | 1.5 | <50 | 19.7 | 19.0# | <50 | <50 | 27.6 | 24.6 | 35.5 | <100 | <50 | <50 | 71.1 | <100 | <100 | <50 | <50 |
| 1,1,1-Trichloroethane | 200 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| 1,1,2-Trichloroethane | 5 | <100 | <10 | <10 | <1 | <50 | <10 | 0.81 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Trichloroethene | 5 | 163.8 | 25.8 | 39.9 | 5.8 | <50 | 113.0 | 120.0 | 89.5 | 155.0 | 200.0 | 200.0 | 206.0 | 200.0 | 186.0 | 126.0 | 277.0 | 121.0 | <100 | 151.0 | 195.0 |
| Freon-113 | 1200 | <100 | <10 | <10 | <1 | <50 | <10 | <0.5 | <50 | <50 | <10 | <10 | <1 | <100 | <50 | <50 | <50 | <100 | <100 | <50 | <50 |
| Freon-123A | | <100 | <10 | <10 | <1 | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <100 | 35.4 | 83.3 | <1 | <50 | 344.0 | 66.0 | <50 | <50 | 19.3 | 18.2 | 9.9 | <100 | 67.8 | <50 | 209.0 | <100 | <100 | <50 | <50 |
| Total Halogenated Hydrocarbons | | 5,200.3 | 1708.9 | 1,825.5 | 72.9 | 504.3 | 3,176.7 | 2,753.45 | 3,080.5 | 4,364.0 | 5,295.6 | 5,217.7 | 4,697.5 | 3,968.0 | 4,433.8 | 2,963.0 | 4,934.1 | 2,806 | 2,140.0 | 4,008 | 4,147 |
| Total Concentration of VOCs | | 5,200 | 1,709 | 1,826 | 72.9 | 504.3 | 3,177 | 2,753 | 3,081 | 4,364 | 5,296 | 5,218 | 4,698 | 3,968 | 4,434 | 2,963 | 4,934 | 2,806 | 2,140 | 4,008 | 4,147 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Apr-06 | May-06 | May-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| n-Butylbenzene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| sec-Butylbenzene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| ter-Butylbenzene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Chlorobenzene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Ethylbenzene | 300 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Isopropylbenzene | | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 |
| p-Isopropyltoluene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <250 | <250 | <250 | <250 | <10 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <50 | <250 |
| Naphthalene | | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 |
| n-Propylbenzene | | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Toluene | 150 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Xylenes, total | 1750 | <10 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Bromomethane | 80 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <100 | <500 |
| Carbon Tetrachloride | 0.5 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Chloroethane | | <5 | <1500 | <1500 | <1500 | <1500 | <10 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <300 | <1500 |
| Chloroform | 80 | <5 | <150 | <150 | <150 | <150 | <10 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 |
| Chloromethane | | <5 | <500 | <500 | <500 | <500 | <10 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <100 | <500 |
| 1,1-Dichloroethane | 5 | 2,600 | 2,360 | 2,150 | 1,620 | 1,890 | 1,900 | 2,000 | 1,590 | 1,700 | 1,750 | 1,520 | 1,240 | 744 | 1,200 | 930 | 788 | 653 | 508 | 645.0 | 544 |
| 1,2-Dichloroethane | 0.5 | 22.0 | <100 | <100 | <100 | <100 | 20.0 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 |
| 1,1-Dichloroethene | 6 | 170.0 | 148.0 | 150.0 | <50 | 150.0 | 180.0 | 182 | 208 | 241 | 135 | 206.0 | 138.0 | <50 | 157.0 | 96.5 | <50 | <50 | <50 | 53.4 | <50 |
| cis-1,2-Dichloroethene | 6 | 16.0 | <50 | <50 | <50 | <50 | 10.0 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| trans-1,2-Dichloroethene | 10 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| 1,2-Dichloropropane | 5 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Methylene Chloride | 5 | 41.0 | <50 | <50 | <50 | <50 | <20 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| 1,1,1,2-Tetrachloroethane | | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Tetrachloroethene | 5 | 21.0 | <50 | <50 | <50 | <50 | 22.0 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 15.7 | <50 |
| 1,1,1-Trichloroethane | 200 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| 1,1,2-Trichloroethane | 5 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Trichloroethene | 5 | 130.0 | 128.0 | 132.0 | <50 | <50 | 110.0 | 101.0 | <50 | 76.1 | 105.0 | <50 | 77.3 | 94.8 | 87.5 | 81.7 | 69.2 | 91.2 | 71 | 63.7 | 65.2 |
| Freon-113 | 1200 | <5 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Freon-123A | | <5 | | | | | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 |
| Vinyl Chloride | 0.5 | 25.0 | <50 | <50 | <50 | <50 | 28.0 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 23.2 | <50 |
| Total Halogenated Hydrocarbons | | 3,025 | 2,636 | 2,432 | 1,620 | 2,040 | 2,270 | 2,283 | 1,798 | 2,017 | 1,990 | 1,726 | 1,455.3 | 838.8 | 1,444.5 | 1,108.2 | 857.2 | 744.2 | 579 | 801.0 | 609.2 |
| Total Concentration of VOCs | | 3,025 | 2,636 | 2,432 | 1,620 | 2,040 | 2,270 | 2,283 | 1,798 | 2,017 | 1,990 | 1,726 | 1,455 | 838.8 | 1,445 | 1,108 | 857.2 | 744.2 | 579 | 801.0 | 609.2 |

# 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-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 | Aug-07 | Sep-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chlorobenzene | | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <100 | <100 | <100 | <100 | <20 | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <250 | <250 | <250 | <250 | <50 | | <250 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <100 | <100 | <100 | <100 | <20 | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <50 | <50 | <50 | <50 | <10 | | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <100 | <100 | <100 | <100 | <20 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bromomethane | 80 | <500 | <500 | <500 | <500 | <100 | <1 | <500 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| Carbon Tetrachloride | 0.5 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Chloroethane | | <1500 | <1500 | <1500 | <1500 | <300 | <0.5 | <1500 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 |
| Chloroform | 80 | <150 | <150 | <150 | <150 | <30 | <0.5 | <150 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 | <15 |
| Chloromethane | | <500 | <500 | <500 | <500 | <100 | <0.5 | <500 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 |
| 1,1-Dichloroethane | 5 | 489 | 352 | 491 | 430 | 401.0 | 370 | 484 | 673 | 507 | 717 | 450 | 369 | 318 | 268 | 336 | 698 | 215 | 217 | 486 |
| 1,2-Dichloroethane | 0.5 | <100 | <100 | <100 | <100 | <20 | 3.80 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <50 | <50 | <50 | <50 | 36.3 | 38 | <50 | 66.7 | 43.1 | 62.8 | 40.3 | 29.3 | 29.1 | 24.7 | 31.4 | 85.1 | 20.8 | 16.0 | 49.3 |
| cis-1,2-Dichloroethene | 6 | <50 | <50 | <50 | <50 | 10.5 | 10 | <50 | 12.2 | 12.4 | 11.0 | 11.2 | 10.8 | 10.8 | 11.0 | 12.9 | 10.7 | 11.8 | 11.1 | 17.3 |
| trans-1,2-Dichloroethene | 10 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <50 | <50 | <50 | <50 | <10 | <1 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <100 | <100 | <100 | <100 | <20 | <0.5 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | <50 | <50 | <50 | <50 | 13.3 | 16.0 | <50 | 13.2 | 14.6 | 11.0 | 11.9 | 10.2 | 10.4 | 8.3 | 10.0 | <5 | 8.5 | <5 | 8.9 |
| 1,1,1-Trichloroethane | 200 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 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 | 44.0 | 30.7 | 36.8 | 35.5 | 58.2 |
| Freon-113 | 1200 | <50 | <50 | <50 | <50 | <10 | <0.5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <50 | <50 | <50 | <50 | <10 | | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <50 | <50 | <50 | <50 | 23.8 | <0.5 | <50 | 15.2 | 18.6 | 13.3 | 13.0 | 19.1 | 10.7 | 14.8 | 10.9 | <5 | 18.8 | 24.2 | 8.1 |
| Total Halogenated Hydrocarbons | | 546.6 | 407.3 | 573.2 | 499.8 | 541.8 | 493.8 | 484.0 | 845.8 | 664.4 | 871.0 | 584.3 | 484.5 | 424.7 | 365.4 | 445.2 | 824.5 | 311.7 | 303.8 | 627.8 |
| Total Concentration of VOCs | | 546.6 | 407.3 | 573.2 | 499.8 | 541.8 | 493.8 | 484.0 | 845.8 | 664.4 | 871.0 | 584.3 | 484.5 | 424.7 | 365.4 | 445.2 | 824.5 | 311.7 | 303.8 | 627.8 |

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

| Constituent | MCL | 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 | | <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 | 133.8 | 119.6 | 159.9 | 143.1 | 162.9 | 112.4 | 130.0 | 161.0 # | 173.0 | 207.0 | 230.0 | 123.0 | 359.0 | 287.0 | 356.0 | 139.0 | 147.0 | 191.0 | 128.0 |
| 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 | 46.5 | 40.2 | 43.4 | 45.4 | 49.2 | 34.8 | 30.9 | 35.2 | 65.3 | 75.2 | 81.0 | 32.4 | 125.0 | 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 | 0.70 | <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 | 10.0 | 19.1 | 13.8 | 12.1 | 15.3 | 10.4 | 12.9 | 15.8 | 22.6 | 27.6 | 39.0 | 12.0 | 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 | | | | | | | | | | | |
| 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 | | 94.6 | 193.9 | 234.0 | 217.1 | 200.6 | 227.4 | 162.6 | 178.1 | 216.0 | 266.3 | 320.7 | 365.6 | 169.4 | 552.3 | 419.4 | 516.2 | 194.5 | 205.0 | 313.9 | 175.0 |
| Total Concentration of VOCs | | 94.6 | 193.9 | 234.0 | 217.1 | 200.6 | 227.4 | 162.6 | 178.1 | 216.0 | 266.3 | 320.7 | 365.6 | 169.4 | 552.3 | 419.4 | 516.2 | 194.5 | 205.0 | 313.9 | 175.0 |

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

| Constituent | MCL | SB64-99-5 (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 | | <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 | 143.0 | 156.0 | 155.0 | 151.0 | 191.0 | 160.0# | 202.0 | 137.0 | 141.0 | 154.0# | 160.0 | 113.0 | 37.9 | 97.9 | 55.9 | 123.0 | 37.0 | 83.1 | 79.4 | 107.0 |
| 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 | 108.0 | 76.0# | 78.8 | 53.4 | 46.3 | 55.5 | 78.0 | 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 | 13.0 | 17.0 | 12.0 | 18.3 | 12.7 | <0.5 | 17.1 | <10 | 13.1 | 12.8 | 15.0 | 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 | | | | | | | <0.5 | | | | | | <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 | | 244.3 | 221.6 | 204.3 | 238.7 | 314.6 | 243.9 | 301.9 | 190.4 | 204.2 | 225.4 | 259.5 | 147.1 | 48.1 | 126.2 | 71.1 | 172.7 | 52.0 | 119.0 | 118.1 | 161.2 |
| Total Concentration of VOCs | | 244.3 | 221.6 | 204.3 | 238.7 | 314.6 | 243.9 | 301.9 | 190.4 | 204.2 | 225.4 | 259.5 | 147.1 | 49.9 | 126.2 | 71.1 | 172.7 | 52.0 | 119.0 | 118.1 | 161.2 |

# 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 | | <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 | 113.0 | 86.7 | 61.1 | 67.6 | 38.8 | 82.4 | 50.0 | 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 | 32.0 | 12.9 | 21.1 | 13.8 | 29.2 | 11.1 | 9.1 | 8.3 | 9.2 | 12 | 21.0 | 19.3 | 43.0 | 44.0 | 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 | 1.30 | 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 | 9.3 | 5.4 | 16.3 | 20.2 | 14.0 | 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 | | 178.6 | 134.3 | 78.4 | 101.4 | 56.1 | 130.5 | 73.9 | 81.1 | 62.9 | 81.9 | 57.9 | 97.1 | 71.5 | 134.8 | 134.6 | 109.4 | 153.8 | 118.9 | 136.4 | 71.3 |
| Total Concentration of VOCs | | 178.6 | 134.3 | 78.4 | 101.4 | 56.1 | 130.5 | 73.9 | 81.1 | 62.9 | 81.9 | 57.9 | 97.1 | 71.5 | 134.8 | 134.6 | 109.4 | 153.8 | 118.9 | 136.4 | 71.3 |

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

| Constituent | MCL | SB64-99-5 (Cont'd) | | | | SB64-99-6 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Jul-99 | Jul-00 | Feb-03 | Apr-03 | Sep-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 | <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 |
| Chlorobenzene | | <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 | <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 |
| 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 Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <4 | <4 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <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 | <1 | <1 |
| Chloroethane | | <30 | <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 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 43.2 | 56.6 | 69.3 | 58.3 | <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 | 10.8 | 23.3 | 42.5 | 27.3 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.9 | 1.1 | 1.4 | 2.3 | 2.4 |
| cis-1,2-Dichloroethene | 6 | 1.7 | <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 |
| 1,2-Dichloropropane | 5 | <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 | 2.0 | 1.1 | 3.4 | 2.7 | <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 | 8.1 | 6.5 | 15.6 | 11.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.8 | 1.1 | 1.5 | 1.8 |
| 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 | | | | | | | | | | | |
| 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 | | 65.8 | 87.5 | 130.8 | 99.7 | 1.0 | | | | | | | | | | | 1.9 | 2.9 | 2.5 | 3.8 | 4.2 |
| Total Concentration of VOCs | | 65.8 | 87.5 | 130.8 | 99.7 | 1.0 | | | | | | | | | | | 1.9 | 2.9 | 2.5 | 3.8 | 4.2 |

# 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) 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 | Mar-06* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| 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 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 0.54 | <3 | <3 | <3 | <3 | 0.73 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 1.1 | <1 | <1 | 1.1 | 1.8 | 1.6 | 2.0 | 1.7 | 1.2 | 2.9 | 4.8 | 3.6 | 4.5 | 4.3 | 3.4 | 4.7 | 4.1 | 5.3 | 6.3 | 4.7 |
| 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 |
| 1,1-Dichloroethene | 6 | 7.4 | <1 | <1 | 2.9 | 4.8 | 5.2 | 3.5 | 3.9 | 2.3 | 5.2 | 5.6 | 3.4 | 6.2 | 6.1 | 4.0 | 6.7 | 4.8 | 3.9 | 8.8 | 4 |
| cis-1,2-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 |
| 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 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.99 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 |
| 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 |
| 1,1,2-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 |
| Trichloroethene | 5 | 4.8 | 2.3 | 1.4 | 2.7 | 3.3 | 3.6 | 3.2 | 2.9 | 2.2 | 3.4 | 4.5 | 3.4 | 5.1 | 4.0 | 2.9 | 4.4 | 3.8 | 3.4 | 5.4 | 3.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-123A | | | | | | | <0.5 | | | | | | | | | | <1 | <1 | <1 | <1 | |
| 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 |
| Total Halogenated Hydrocarbons | | 13.3 | 2.3 | 1.4 | 6.7 | 9.9 | 10.9 | 8.7 | 8.5 | 5.7 | 11.5 | 16.62 | 10.4 | 15.8 | 14.4 | 10.3 | 15.8 | 12.7 | 12.6 | 20.5 | 12.61 |
| Total Concentration of VOCs | | 13.3 | 2.3 | 1.4 | 6.7 | 9.9 | 10.9 | 8.7 | 8.5 | 5.7 | 11.5 | 16.6 | 10.4 | 15.8 | 14.4 | 10.3 | 15.8 | 12.7 | 12.6 | 20.5 | 12.6 |

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

| Constituent | MCL | SB64-99-6 (Cont'd) | | | SB64-00-1 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Mar-07 | Sep-07* | 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 | Jan-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| n-Butylbenzene | | <1 | <1 | | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| sec-Butylbenzene | | <1 | <1 | | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| ter-Butylbenzene | | <1 | <1 | | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Chlorobenzene | | <1 | <1 | <0.5 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Isopropylbenzene | | <2 | <2 | | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <200 |
| p-Isopropyltoluene | | <1 | <1 | | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <500 | <0.5 | <5 | <0.5 | <500 | <500 | <0.5 | <500 | <500 | <500 | <250 | <500 | <500 | <500 | <0.5 | <500 | <500 |
| Naphthalene | | <2 | <2 | | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <200 |
| n-Propylbenzene | | <1 | <1 | | <100 | <0.5 | 5.0 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Toluene | 150 | <1 | <1 | <0.5 | <100 | 1.3 | 1.2 | 1.1 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 0.56 | <100 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <200 | <1 | <2 | <1 | <200 | <200 | <1 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <1 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | 1.3 | 6.2 | 1.1 | | | | | | | | | | | 0.56 | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <200 | <0.5 | <2 | 0.76 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Bromomethane | 80 | <10 | <10 | <0.5 | <400 | <1 | <4 | <1 | <1000 | <1000 | <1 | <1000 | <1000 | <1000 | <500 | <1000 | <1000 | <1000 | <1 | <1000 | <1000 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <100 | <0.5 | 4.1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Chloroethane | | <30 | <30 | <0.5 | <3000 | 3.6 | <30 | 4.2 | <3000 | <3000 | <0.5 | <3000 | <3000 | <3000 | <1500 | <3000 | <3000 | <3000 | 1.3 | <3000 | <3000 |
| Chloroform | 80 | <3 | <3 | <0.5 | <300 | <0.5 | <3 | <0.5 | <300 | <300 | <0.5 | <300 | <300 | <300 | <150 | <300 | <300 | <300 | <0.5 | <300 | <300 |
| Chloromethane | | <10 | <10 | <0.5 | <100 | <0.5 | <1 | <0.5 | <1000 | <100 | <0.5 | <1000 | <1000 | <1000 | <500 | <1000 | <1000 | <1000 | <0.5 | <1000 | <1000 |
| 1,1-Dichloroethane | 5 | 6.1 | 6.1 | 5.6 | 7,520 | 3,700 | 10,448 | 7,700 | 4,682 | 5,875 | <0.5 | 3,447 | 2,456 | 2,972 | 6,940 | 6,170 | 4,590 | 7,400 | 5,800 | 7,070 | 6,810 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <200 | 42.0 | 75.3 | 54.0 | <200 | <200 | 32.0 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | 41.0 | <200 | <200 |
| 1,1-Dichloroethene | 6 | 3.8 | 4.2 | 3.4 | 809.4 | 320.0 | 1,607 | 1,200 | 523.3 | 717.7 | 220.0 | 456.8 | 240.7 | 294.7 | 710.0 | 443.0 | 504.0 | 1,100 | 660.0 | 803.0 | 652.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <100 | 18.0 | 29.4 | 28.0 | <100 | <100 | 15.0 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 52.0 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 1.2 | <100 | <100 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <100 | <0.5 | <1 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | 198.4 | 140.0 | 202.7 | 120.0 | 441.9 | <100 | 110.0 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 1.7 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <200 | <0.5 | <2 | <0.5 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <100 | <0.5 | 5.2 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | 172.8 | 90.0 | 178.6 | 150.0 | <100 | 100.3 | 37.0 | <100 | <100 | <100 | 122.0 | <100 | <100 | 162.0 | 150.0 | <100 | 139.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <100 | 44.0 | 26.6 | 32.0 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <100 | 6.4 | 6.8 | 7.7 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | 5.0 | <100 | <100 |
| Trichloroethene | 5 | 2.9 | 3.0 | 2.9 | 513.0 | 180.0 | 728.6 | 480.0 | 322.0 | 405.9 | 190.0 | 197.1 | <100 | 141.9 | 424.0 | 349.0 | 252.0 | 635.0 | 450.0 | 425.0 | 519.0 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <100 | <0.5 | 156.5 | <0.5 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | <100 | <0.5 | <100 | <100 |
| Freon-123A | | <1 | <1 | | <100 | | <1 | | <100 | <100 | | <100 | <100 | <100 | <50 | <100 | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <100 | 9.4 | 23.6 | 17.0 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <100 | <100 | 259.0 | 6.5 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 12.8 | 13.3 | 11.9 | 9,214 | 4,587.4 | 13,492.2 | 9,793.7 | 5,969 | 7,098.8 | 604.0 | 4,101.2 | 2,696.2 | 3,408.3 | 8,196 | 6,962 | 5,346 | 9,556 | 7,168.7 | 8,298 | 8,120 |
| Total Concentration of VOCs | | 12.8 | 13.3 | 11.9 | 9,214 | 4,589 | 13,498 | 9,795 | 5,969 | 7,099 | 604.0 | 4,101 | 2,696 | 3,408 | 8,196 | 6,962 | 5,346 | 9,556 | 7,169 | 8,298 | 8,120 |

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

| Constituent | MCL | SB64-00-1 (Cont'd) 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 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| n-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| sec-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| ter-Butylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Chlorobenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 | <20 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <5 | <500 | <500 | <500 | <250 | <5 | <50 | <500 | <50 |
| Naphthalene | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 | <20 |
| n-Propylbenzene | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Toluene | 150 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <10 | <200 | <200 | <200 | <100 | <10 | <20 | <200 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Bromomethane | 80 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <5 | <1000 | <1000 | <1000 | <100 | <5 | <10 | <1000 | <10 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Chloroethane | | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | <5 | <3000 | <3000 | <3000 | <1500 | <5 | <300 | <3000 | <300 |
| Chloroform | 80 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <5 | <300 | <300 | <300 | <150 | <5 | <30 | <300 | <30 |
| Chloromethane | | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <5 | <1000 | <1000 | <1000 | <500 | <5 | <100 | <1000 | <100 |
| 1,1-Dichloroethane | 5 | 7,390 | 6,420 | 6,510 | 5,350 | 4,970 | 4,510 | 4,210 | 3,900 | 4,960 | 4,250 | 3,780 | 2,600 | 3,150 | 2,050 | 1,040 | 1,290 | 1,200 | 1,490 | 1,380 | 1,200 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | 23.0 | <200 | <200 | <200 | <100 | 13.0 | <20 | <200 | <20 |
| 1,1-Dichloroethene | 6 | 861.0 | 681.0 | 770.0 | 526.0 | 492.0 | 456.0 | 497.0 | 468.0 | 475.0 | 389.0 | 415.0 | 250.0 | 661.0 | <100 | <100 | <50 | 130.0 | 156.0 | <100 | 51.0 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 32.0 | <100 | <100 | <100 | <50 | 14.0 | 19.4 | <100 | 14.5 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 40.0 | <100 | <100 | <100 | <50 | <10 | <10 | <100 | <10 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <5 | <200 | <200 | <200 | <100 | <5 | <20 | <200 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Tetrachloroethene | 5 | 112.0 | <100 | 172.0 | 204.0 | 147.0 | 160.0 | 141.0 | <100 | <100 | <100 | <100 | 100.0 | 443.0 | <100 | <100 | <50 | 41.0 | 52.8 | <100 | <10 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Trichloroethene | 5 | 522.0 | 439.0 | 473.0 | 524.0 | 429.0 | 486.0 | 444.0 | 343.0 | 358.0 | 295.0 | 371.0 | 290.0 | 751.0 | <100 | <100 | <50 | 130.0 | 168.0 | <100 | 84.7 |
| Freon-113 | 1200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <100 | <100 | <100 | <50 | <5 | <10 | <100 | <10 |
| Freon-123A | | | | | | | | | | | | | <5 | | | | | | <10 | <100 | <10 |
| Vinyl Chloride | 0.5 | <100 | <100 | 136.0 | 115.0 | 197.0 | 130.0 | 249.0 | <100 | <100 | <100 | 281.0 | 66.0 | <100 | <100 | <100 | <50 | 5.8 | <10 | <100 | <10 |
| Total Halogenated Hydrocarbons | | 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 | 1,533.8 | 1,886.2 | 1,380 | 1,350.2 |
| Total Concentration of VOCs | | 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 | 1,350 |

# 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) 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 | Nov-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Chlorobenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | | <50 | <50 | <50 |
| Naphthalene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Bromomethane | 80 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Chloroethane | | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <0.5 | <300 | <300 | <300 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloromethane | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 990 | 807.0 | 484.0 | 431.0 | 370.0 | 363.0 | 384.0 | 283.0 | 187.0 | 176.0 | 245.0 | 193.0 | 333.0 | 155.0 | 173.0 | 194.0 | 140 | 174.0 | 163.0 | 241.0 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 2.1 | <20 | <20 | <20 | <20 | <20 | <20 | 1 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 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 | 15.4 |
| cis-1,2-Dichloroethene | 6 | <10 | 14.2 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 3.9 | <10 | <10 | <10 | <10 | <10 | <10 | 1.9 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.6 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 2.2 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Trichloroethene | 5 | 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 | 18.0 | 18.4 | 25.1 | 3.2 | <10 | <10 | 14.2 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Freon-123A | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 1,127.2 | 963.2 | 574.1 | 492.1 | 456.7 | 434.0 | 447.7 | 316.9 | 212.7 | 213.9 | 272.6 | 217.5 | 394.5 | 173.0 | 191.4 | 219.1 | 149.7 | 174.0 | 163.0 | 270.6 |
| Total Concentration of VOCs | | 1,127 | 963.2 | 574.1 | 492.1 | 456.7 | 434.0 | 447.7 | 316.9 | 212.7 | 213.9 | 272.6 | 217.5 | 394.5 | 173.0 | 191.4 | 219.1 | 149.7 | 174.0 | 163.0 | 270.6 |

# 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 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Dec-00 | (D)* | Apr-01 | Jun-01 | Sep-01 | Mar-02 | Sep-02 | Jan-03 | Apr-03 | Jul-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <40 | <1 | <4 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <0.5 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 552.0 | 293.0 | 311.0 | 331.0 | 227.0 | 262.0 | 322.0 | 183.0 | 204.0 | 263.0 | <10 | 8.0 # | 26.4 | 22.8 | 13.9 | 32.3 | 30.9 | 12.3 | 34.4 | 35.9 |
| 1,2-Dichloroethane | 0.5 | 3.8 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 53.4 | 31.5 | 26.9 | 31.6 | 15.2 | 17.9 | 20.6 | <10 | <10 | 20.5 | 25.8 | 26 # | 58.2 | 50.9 | 32.2 | 74.5 | 108.8 | 35.0 | 85.3 | 63.1 |
| cis-1,2-Dichloroethene | 6 | 18.1 | 14.3 | 11.3 | 17.4 | <10 | <10 | 15.7 | <10 | <10 | 15.2 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 5.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.1 | <1 | 5.3 | 1.8 | 3.0 | 3.0 | 4.4 | 4.7 | 3.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 0.81 | 3.0 | 1.6 | <1 | 1.0 | 1.0 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 79.0 | 48.5 | 46.9 | 56.3 | 35.6 | 33.1 | 42.1 | 28.1 | 25.0 | 46.1 | <10 | 3.0 | 9.7 | 7.9 | 4.7 | 8.7 | 10.3 | 4.5 | 12.5 | 12.3 |
| Freon-113 | 1200 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 9.1 | 18.4 | <10 | 12.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 720.7 | 405.7 | 396.1 | 448.6 | 277.8 | 313.0 | 400.4 | 211.1 | 229.0 | 344.8 | 25.8 | 38.9 | 97.3 | 88.5 | 52.6 | 119.5 | 154.0 | 56.2 | 136.9 | 115.1 |
| Total Concentration of VOCs | | 720.7 | 405.7 | 396.1 | 448.6 | 277.8 | 313.0 | 400.4 | 211.1 | 229.0 | 344.8 | 25.8 | 38.9 | 97.3 | 88.5 | 52.6 | 119.5 | 154.0 | 56.2 | 136.9 | 115.1 |

# 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-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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Chlorobenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <50 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <30 | <3 |
| Chloromethane | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 92.6 | 81.9 | 98.0 | 7.3 | 199.0 | 194.0 | 219.0 | 70.4 | 67.2 | 197.0 | 134.0 | 270.0 | 211.0 | 130.0 | 145.0 | 146.0 | 150.0 | 191.0 | 176.0 | 104.0 |
| 1,2-Dichloroethane | 0.5 | 2.9 | 3.3 | 3.5 | <2 | 6.5 | 8.3 | 10.2 | 3.5 | <20 | 7.5 | 6.2 | 8.6 | 6.6 | 6.4 | 6.9 | 7.2 | 9.6# | 8.5 | <20 | 5.6 |
| 1,1-Dichloroethene | 6 | 364.0 | 314.0 | 280.0 | 28.6 | 507.0 | 697.0 | 829.0 | 200.0 | 138.0 | 575.0 | 352.0 | 889.0 | 731.0 | 339.0 | 269.0 | 456.0 | 430.0 | 603.0 | 556.0 | 206.0 |
| cis-1,2-Dichloroethene | 6 | 3.2 | 3.3 | 3.6 | <1 | 5.7 | 6.4 | 7.0 | 2.0 | <10 | 4.9 | 4.1 | 5.8 | 5.4 | 3.9 | 4.0 | 5.3 | 5.6# | 5.7 | <10 | 4.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | 0.56 | <1 | <1 | 1.1 | 1.4 | <1 | <10 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | 1.0# | <1 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 4.8 | 8.1 | 11.0# | <1 | 23.4 | 36.4 | 45.6 | 13.4 | 15.8 | 61.3 | 46.1 | 92.3 | 56.6 | 37.3 | 38.2 | 52.1 | 61.0 | 76.5 | 73.0 | 38.0 |
| 1,1,1-Trichloroethane | 200 | <1 | 1.1 | 1.5 | <1 | 2.2 | 3.0 | 4.0 | 1.2 | <10 | 3.4 | 2.4 | 4.1 | 2.7 | 2.1 | 2.0 | 2.1 | 3.1# | 2.7 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.0 | <1 | <10 | 1.3 | <1 | 1.5 | <1 | <1 | <1 | <1 | 1.4 | <1 | <10 | <1 |
| Trichloroethene | 5 | 34.1 | 35.5 | 51.0 | 4.2 | 99.8 | 130.0 | 160.0 | 51.5 | 46.8 | 145.0 | 122.0 | 242.0 | 126.0 | 97.7 | 104.0 | 131.0 | 140.0 | 194.0 | 177.0 | 98.8 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | <0.5 | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 501.6 | 447.2 | 449.16 | 40.1 | 843.6 | 1,076.2 | 1,277.2 | 342.0 | 267.8 | 995.4 | 666.8 | 1,514.4 | 1,139.3 | 616.4 | 569.1 | 799.7 | 801.7 | 1,081.4 | 982.0 | 456.6 |
| Total Concentration of VOCs | | 501.6 | 447.2 | 449.2 | 40.1 | 843.6 | 1,076 | 1,277 | 342.0 | 267.8 | 995.4 | 666.8 | 1,514 | 1,139 | 616.4 | 569.1 | 799.7 | 801.7 | 1,081 | 982.0 | 456.6 |

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

| Constituent | MCL | SB64-00-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Apr-06 | May-06 | May-06 | Jun-06 | Jun-06 | Jul-06 | Jul-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Chlorobenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <50 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <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 | <10 | <1 | <1 | <10 | <1 | <1 |
| Bromomethane | 80 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <100 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Chloroethane | | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <300 | <30 | <30 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <30 | <3 | <3 |
| Chloromethane | | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <100 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 121.0 | 83.0 | 75.5 | 107.0 | 129.0 | 158.0 | 216.0 | 143.0 | 139.0 | 107.0 | 118.0 | 101.0 | 60.3 | 65.3 | 40.6 | 43.1 | 43.1 | 41.6 | 56.5 | 56.7 |
| 1,2-Dichloroethane | 0.5 | 6.1 | 5.3 | 3.6 | 5.1 | 6.2 | 7.6 | 7.5 | 6.8 | 7.0 | 6.0 | 5.3 | 5.0 | 2.3 | 2.7 | <20 | <2 | 2.1 | <20 | 2.7 | 2.7 |
| 1,1-Dichloroethene | 6 | 387.0 | 220.0 | 187.0 | 332.0 | 490.0 | 603.0 | 1160.0 | 623.0 | 918.0 | 534.0 | 479.0 | 401.0 | 363.0 | 284.0 | 179.0 | 213.0 | 178.0 | 151.0 | 171.0 | 185.0 |
| cis-1,2-Dichloroethene | 6 | 4.5 | 2.8 | 2.5 | 3.8 | 4.3 | 6.9 | 7.1 | 5.9 | 5.2 | 4.6 | 4.2 | 3.6 | 2.5 | 2.9 | <10 | 2.2 | 1.9 | <10 | 2.3 | 2.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.5 | 1.2 | 1.2 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 51.6 | 30.0 | 22.5 | 36.8 | 36.2 | 56.9 | 80.0 | 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 |
| 1,1,1-Trichloroethane | 200 | 1.6 | 0.99 | <1 | <1 | <1 | 1.3 | 1.6 | 1.2 | 1.2 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | 0.76 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Trichloroethene | 5 | 116.0 | 78.0 | 60.7 | 98.9 | 111.0 | 186.0 | 285.0 | 156.0 | 204.0 | 160.0 | 137.0 | 131.0 | 96.5 | 80.2 | 54.0 | 66.8 | 64.8 | 52.8 | 83.9 | 74.7 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | 2.4 | 1.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Freon-123A | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 687.8 | 420.85 | 351.8 | 583.6 | 776.7 | 1,019.7 | 1,761.1 | 1,006.1 | 1,347.8 | 866.4 | 795.7 | 691.4 | 572.4 | 468.5 | 295.1 | 353.3 | 314.3 | 266.7 | 346.6 | 348.7 |
| Total Concentration of VOCs | | 687.8 | 420.85 | 351.8 | 583.6 | 776.7 | 1,020 | 1,761 | 1,006 | 1,348 | 866.4 | 795.7 | 691.4 | 572.4 | 468.5 | 295.1 | 353.3 | 314.3 | 266.7 | 346.6 | 348.7 |

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

| | | SB64-00-2 (Cont'd) | | | | | | | | | | | | | | | SB64-02-1A | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-07 | Sep-07 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| n-Butylbenzene | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| sec-Butylbenzene | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| ter-Butylbenzene | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Chlorobenzene | | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Ethylbenzene | 300 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Isopropylbenzene | | <20 | | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 |
| p-Isopropyltoluene | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <50 | | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <500 | <500 | <500 |
| Naphthalene | | <20 | | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 |
| n-Propylbenzene | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Toluene | 150 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Xylenes, total | 1750 | <20 | <1 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Bromomethane | 80 | <100 | <1 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1000 | <1000 | <1000 |
| Carbon Tetrachloride | 0.5 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 31.1 | 15.9 | <100 | <100 | <100 |
| Chloroethane | | <300 | <0.5 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3000 | <3000 | <3000 |
| Chloroform | 80 | <30 | <0.5 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <300 | <300 | <300 |
| Chloromethane | | <100 | <0.5 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1000 | <1000 | <1000 |
| 1,1-Dichloroethane | 5 | 49.7 | 48 | 51.2 | 43.1 | 35.4 | 38.4 | 28.2 | 35.4 | 29.2 | 33.5 | 35.6 | 32.1 | 26.9 | 29.5 | 28.2 | 9,000 | 7,550 | 5,940 | 8,560 | 6,020 |
| 1,2-Dichloroethane | 0.5 | <20 | 2.7 | 2.4 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 53.7 | 63.0 | <200 | <200 | <200 |
| 1,1-Dichloroethene | 6 | 229.0 | 180 | 129.0 | 164.0 | 154.0 | 148.0 | 161.0 | 144.0 | 150.0 | 141.0 | 189.0 | 152.0 | 125.0 | 133.0 | 151.0 | 1,330 | 1,680 | 952.0 | 1,180.0 | 970.0 |
| cis-1,2-Dichloroethene | 6 | <10 | 2.1 | 1.9 | <10 | 1.6 | <10 | 1.3 | 1.7 | 1.3 | 1.7 | 1.6 | 1.5 | 1.3 | 1.5 | 1.4 | 45.1 | 60.9 | <100 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <10 | 0.55 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| 1,2-Dichloropropane | 5 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <20 | <0.5 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <200 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.0 | 4.8 | <100 | <100 | <100 |
| Tetrachloroethene | 5 | 25.0 | 24 | 26.6 | 23.2 | 22.4 | 18.7 | 23.0 | 18.5 | 21.8 | 19.8 | 20.1 | 16.8 | 17.3 | 16.1 | 18.1 | 131.0 | 156.0 | 163.0 | 181.0 | 168.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 217.0 | 120.0 | <100 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 12.9 | 12.2 | <100 | <100 | <100 |
| Trichloroethene | 5 | 69.0 | 65 | 62.6 | 71.8 | 52.2 | 50.5 | 45.1 | 45.7 | 47.7 | 48.0 | 50.8 | 41.2 | 38.2 | 37.8 | 46.2 | 521.0 | 550.0 | 539.0 | 701.0 | 616.0 |
| Freon-113 | 1200 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.0 | <100 | <100 | <100 |
| Freon-123A | | <10 | | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | <100 | <100 |
| Vinyl Chloride | 0.5 | <10 | <0.5 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.4 | 8.9 | <100 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 372.7 | 322.4 | 273.7 | 302.1 | 265.6 | 255.6 | 258.6 | 245.3 | 250.0 | 244.0 | 297.1 | 243.6 | 208.7 | 217.9 | 244.9 | 11,350 | 10,225 | 7,594 | 10,622 | 7,774 |
| Total Concentration of VOCs | | 372.7 | 322.4 | 273.7 | 302.1 | 265.6 | 255.6 | 258.6 | 245.3 | 250.0 | 244.0 | 297.1 | 243.6 | 208.7 | 217.9 | 244.9 | 11,350 | 10,225 | 7,594 | 10,622 | 7,774 |

# 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) (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*≈ | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07*≈ | (D)*≈ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| n-Butylbenzene | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| sec-Butylbenzene | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| ter-Butylbenzene | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| Chlorobenzene | | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Isopropylbenzene | | | <200 | | <200 | | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | | <200 | <200 | <200 | <100 | | |
| p-Isopropyltoluene | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| Methyl tert-Butyl Ether | 13 | <100 | <500 | | <500 | | <500 | <500 | <50 | <500 | <500 | <500 | <500 | <500 | <500 | | <500 | <500 | <500 | <250 | | |
| Naphthalene | | | <200 | | <200 | | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | | <200 | <200 | <200 | <100 | | |
| n-Propylbenzene | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| Toluene | 150 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 1 | <100 | <100 | <100 | <50 | 0.52 | 0.51 |
| Xylenes, total | 1750 | <200 | <200 | <50 | <200 | <50 | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <1 | <200 | <200 | <200 | <100 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 1.00 | | | | | 0.52 | 0.51 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Bromomethane | 80 | <100 | <1000 | <50 | <1000 | <50 | <1000 | <1000 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <1 | <1000 | <1000 | <1000 | <100 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Chloroethane | | <100 | <3000 | <25 | <3000 | <25 | <3000 | <3000 | <300 | <3000 | <3000 | <3000 | <3000 | <3000 | <3000 | 1.8 | <3000 | <3000 | <3000 | <1500 | 1.3 | 0.97 |
| Chloroform | 80 | <100 | <300 | <25 | <300 | <25 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <300 | <300 | <0.5 | <300 | <300 | <300 | <150 | <0.5 | <0.5 |
| Chloromethane | | <100 | <1000 | <25 | <1000 | <25 | <1000 | <1000 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | <1000 | <0.5 | <1000 | <1000 | <1000 | <500 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | 5,000 | 7,220 | 6300 | 5,580 | 6,100 | 7,040 | 5,340 | 5490.0 | 5,450 | 5,550 | 4,560 | 4,300 | 4,140 | 3,560 | 3,000 | 3,150 | 4,340 | 3,060 | 3,110 | 2100 | 1500 |
| 1,2-Dichloroethane | 0.5 | <100 | <200 | 58 | <200 | 45 | <200 | <200 | 48.6 | <200 | <200 | <200 | <200 | <200 | <200 | 34 | <200 | <200 | <200 | <100 | 27 | 25 |
| 1,1-Dichloroethene | 6 | 730.0 | 1,160.0 | 960 | 916 | 1,000 | 1,170 | 765 | 807.0 | 811 | 714 | 588 | 566 | 624 | 460 | 490 | 438 | 639 | 422 | 416 | 330 | 250 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | 50 | <100 | 48 | <100 | <100 | 56.1 | <100 | <100 | <100 | <100 | <100 | <100 | 58 | <100 | 104 | <100 | <50 | 47 | 45 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 0.73 | <100 | <100 | <100 | <50 | 0.62 | 0.61 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <200 | <100 | <50 | <100 | <50 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <50 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <200 | <25 | <200 | <25 | <200 | <200 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <0.5 | <200 | <200 | <200 | <100 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 120.0 | 199.0 | 230 | 162 | 200 | 212 | 119 | 128.0 | 184 | <100 | 122 | <100 | 215 | 120 | 160 | <100 | 203 | <100 | 138 | 150 | 96 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | 54 | <100 | 46 | <100 | <100 | 32.1 | <100 | <100 | <100 | <100 | <100 | <100 | 6.8 | <100 | <100 | <100 | <50 | 9.5 | 7.6 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | 5.2 | <100 | <100 | <100 | <50 | 4.6 | 4.3 |
| Trichloroethene | 5 | 420.0 | 810.0 | 640 | 584 | 640 | 724 | 460 | 534.0 | 574 | 594 | 486 | 415 | 644 | 458 | 430 | 438 | 704 | 395 | 429 | 410 | 320 |
| Freon-113 | 1200 | <100 | <100 | <25 | <100 | <25 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <50 | <0.5 | <0.5 |
| Freon-123A | | | <100 | | <100 | | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | | <100 | <100 | <100 | <50 | | |
| Vinyl Chloride | 0.5 | <100 | <100 | 68.0 | 116 | 120 | 180 | 176 | 137.0 | 160 | 157 | 132 | 274 | 283 | 256 | 230 | 184 | 462 | <100 | 87.5 | 18 | 13 |
| Total Halogenated Hydrocarbons | | 6,270 | 9,389 | 8,360 | 7,358 | 8,199 | 9,326 | 6,860 | 7232.8 | 7,179 | 7,015 | 5,888 | 5,555 | 5,906 | 4,854 | 4,416.53 | 4,210 | 6,452 | 3,877 | 4,180.5 | 3,098.02 | 2,262.48 |
| Total Concentration of VOCs | | 6,270 | 9,389 | 20,360 | 7,358 | 8,199 | 9,326 | 6,860 | 7,233 | 7,179 | 7,015 | 5,888 | 5,555 | 5,906 | 4,854 | 8,518 | 4,210 | 6,452 | 3,877 | 4,181 | 7,499 | 6,663 |

# 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 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-02 | Nov-02 | Feb-03 | Apr-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 | Dec-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Chlorobenzene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <500 | <250 | <250 | <500 | <500 | <5 | <50 | <50 | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <50 |
| Naphthalene | | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Toluene | 150 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | 1.3 | 1.5 | <1 | 1.9 | <10 | 1.4 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 | <20 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 1.3 | 1.5 | | 1.9 | | 1.4 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Bromomethane | 80 | <1000 | <1000 | <1000 | <1000 | <100 | <100 | <1000 | <1000 | <10 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Chloroethane | | <3000 | <3000 | <3000 | <3000 | <1500 | <1500 | <3000 | <3000 | <30 | <300 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <300 |
| Chloroform | 80 | <300 | <300 | <300 | <300 | <150 | <150 | <300 | <300 | <3 | <30 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <30 |
| Chloromethane | | <1000 | <1000 | <1000 | <1000 | <500 | <500 | <1000 | <1000 | <10 | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 12,929 | 12,860 | 8,530 | 2,170 | 3,090 | 2,510 | 3,620 | 734.0 | 697 | 462.0 | 256.0 | 430 | 311.0 | 206.0 | 686.0 | 418.0 | 430.0 | 356.0 | 331 | 386 |
| 1,2-Dichloroethane | 0.5 | <100 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | 5.6 | <20 | <20 | 4.2 | 3.4 | 3.2 | 6.2 | <20 | 3.8 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 1,710.9 | 1,342.7 | 773.0 | 241.0 | 260.0 | 352.0 | 703.0 | <100 | 90.1 | 47.6 | 88.6 | 96 | 98.4 | 63.0 | 145.0 | 102.0 | 127.0 | 94.8 | 102 | 104 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | 16.7 | 10.8 | 23.9 | 86 | 113.0 | 72.7 | 242.0 | 197.0 | 139.0 | 192.0 | 164 | 223 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | 1.7 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <200 | <200 | <100 | <100 | <200 | <200 | <2 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | 1.2 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 135.6 | 116.5 | 104.0 | <100 | <50 | 76.5 | <100 | <100 | 39.0 | 25.4 | 16.2 | 6.3 | 4.6 | 9.4 | 5.4 | <10 | 7.5 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | 1.2 | <1 | <1 | 1.2 | <10 | 1.4 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 680.7 | 765.9 | 409.0 | 162.0 | 192.0 | 325.0 | 454.0 | <100 | 127.0 | 79.4 | 146.0 | 100 | 93.6 | 70.3 | 66.0 | 54.1 | 98.7 | 45.5 | 70.3 | 55.3 |
| Freon-113 | 1200 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Freon-123A | | <100 | <100 | <100 | <100 | | | | | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 460.5 | 835.1 | 542.0 | 201.0 | <50 | 135.0 | 205.0 | <100 | 99.8 | 60.7 | 35.4 | 88 | 94.2 | 82.5 | 148.0 | 79.9 | 93.2 | 59.1 | 52.4 | 64.1 |
| Total Halogenated Hydrocarbons | | 15,917 | 15,920 | 10,358 | 2,774 | 3,542.0 | 3,398.5 | 4,982 | 734.0 | 1,076.4 | 685.9 | 566.1 | 813.4 | 718.2 | 507.1 | 1,299.8 | 851.0 | 900.6 | 747.4 | 719.7 | 832.4 |
| Total Concentration of VOCs | | 15,917 | 15,920 | 10,358 | 2,774 | 3542 | 3399 | 4,982 | 734.0 | 1,076 | 685.9 | 566.1 | 814.7 | 719.7 | 507.1 | 1,302 | 851.0 | 902.0 | 747.4 | 719.7 | 832.4 |

# 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 | Jan-07 | Feb-07 | Mar-07*≈ | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07*≈ | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Dec-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| n-Butylbenzene | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| sec-Butylbenzene | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| ter-Butylbenzene | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Chlorobenzene | | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Isopropylbenzene | | <20 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | | <50 | <50 | <50 | <50 | | <50 | <50 | <50 | <50 | <0.5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 |
| Naphthalene | | <20 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 |
| n-Propylbenzene | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Toluene | 150 | <10 | <10 | 1.6 | <10 | <10 | <10 | <10 | 2.3 | <10 | <10 | <10 | <10 | 1.2 | 1.2 | <1 | <1 | <10 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 | <20 | <1 | <1 | <2 | <2 | <20 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | 1.6 | | | | | 2.3 | | | | | 1.2 | 1.2 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Bromomethane | 80 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Chloroethane | | <300 | <300 | <0.5 | <300 | <300 | <300 | <300 | <0.5 | <300 | <300 | <300 | <300 | 0.68 | <30 | <30 | <30 | <300 | <300 | <300 | <300 |
| Chloroform | 80 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | 0.70 | <3 | <3 | <3 | <30 | <30 | <30 | <30 |
| Chloromethane | | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 388.0 | 339 | 400 | 300.0 | 520 | 533 | 491.0 | 340 | 682.2 | 1,010.3 | 917.0 | 495.0 | 420.0 | 698.0 | 829.0 | 900.0 | 985.0 | 1150.0 | 1050.0 | 379.0 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | 3.8 | <20 | <20 | <20 | <20 | 5.4 | <10 | <20 | <20 | <20 | 3.8 | 4.6 | 5.4 | 9.1 | <20 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 93.1 | 96.6 | 100 | 86.7 | 103 | 109 | 81.4 | 84 | 51.8 | 112.5 | 111.0 | 93.1 | 92.0 | 127.0 | 75.5 | 197.0 | 128.0 | 161.0 | 172.0 | 53.8 |
| cis-1,2-Dichloroethene | 6 | 189.0 | 202 | 120 | 187.0 | 182 | 195 | 194.0 | 140 | <10 | <10 | <10 | <10 | 2.5 | 16.7 | 49.5 | 96.4 | 88.7 | 94.5 | 86.2 | 30.0 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <25 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | 19.1 | 26.4 | 26.7 | 18.7 | <1 | 1.7 | <1 | <1 | <10 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | <10 | <10 | 5.5 | <10 | <10 | <10 | <10 | 2.2 | <10 | <10 | <10 | <10 | 4.4 | 5.4 | <1 | <1 | <10 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | 1.5 | <10 | <10 | <10 | <10 | 0.65 | <10 | <10 | <10 | <10 | 0.69 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Trichloroethene | 5 | 39.7 | 37.6 | 80 | 25.6 | 47.9 | 49.3 | 42.1 | 46 | 21.4 | 42.9 | 39.3 | 36.0 | 37.0 | 44.8 | 8.1 | 16.7 | <10 | 15.8 | 37.3 | <10 |
| Freon-113 | 1200 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 |
| Freon-123A | | <10 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | | | | | | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 64.8 | 56.2 | 71 | 48.2 | 99.0 | 117.0 | 87.3 | 92 | 11.8 | 38.9 | 44.1 | 27.9 | 20.0 | 26.4 | 13.1 | 40.8 | 47.8 | 66.6 | 54.1 | 24.0 |
| Total Halogenated Hydrocarbons | | 774.6 | 731.4 | 781.8 | 647.5 | 951.9 | 1,003.3 | 895.8 | 710.3 | 786.3 | 1,231.0 | 1,138.1 | 670.7 | 581.77 | 924.6 | 980.6 | 1,260.0 | 1,249.5 | 1,487.9 | 1,399.6 | 486.8 |
| Total Concentration of VOCs | | 774.6 | 731.4 | 1,043 | 647.5 | 951.9 | 1,003 | 895.8 | 1,168 | 786.3 | 1,231 | 1,138 | 670.7 | 582.97 | 925.8 | 980.6 | 1,260 | 1,250 | 1,488 | 1,400 | 486.8 |

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

| Constituent | MCL | SB64-02-1C(Cont'd) | | | | | | | | | | | | | | | | | SB64-02-1D | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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*≈ | Sep-02 | Nov-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| n-Butylbenzene | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| sec-Butylbenzene | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| ter-Butylbenzene | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Chlorobenzene | | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Isopropylbenzene | | | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <100 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| p-Isopropyltoluene | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <250 | <50 | | <50 | <50 | <50 | <50 | | <50 | <50 | <50 |
| Naphthalene | | | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <100 | <20 | | <20 | <20 | <20 | <20 | | <20 | <20 | <20 |
| n-Propylbenzene | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Toluene | 150 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | 0.76 | <10 | <10 | <10 | <10 | 1.5 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <5 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <100 | <20 | <1 | <20 | <20 | <20 | <20 | <1 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 0.76 | | | | | 1.5 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Bromomethane | 80 | <5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 | <100 | <1 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Chloroethane | | <2.5 | <300 | <300 | <300 | <300 | <30 | <300 | <300 | <300 | <1500 | <300 | <0.5 | <300 | <300 | <300 | <300 | 2.7 | <300 | <300 | <300 |
| Chloroform | 80 | <2.5 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <150 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloromethane | | <2.5 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <500 | <100 | 1.7 | <100 | <100 | <100 | <100 | <0.5 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 690 | 708.0 | 887.0 | 731.0 | 755.0 | 945.0 | 809.0 | 862.0 | 943 | 910 | 894 | 820 | 847 | 925 | 943 | 952 | 780 | 352.4 | 422.4 | 233.0 |
| 1,2-Dichloroethane | 0.5 | 5.8 | <20 | <20 | <20 | <20 | 5.3 | <20 | <20 | <20 | <100 | <20 | 5.9 | <20 | <20 | <20 | <20 | 7.2 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 120 | 104.0 | 108.0 | 109.0 | 102.0 | 132.0 | 106.0 | 114.0 | 124 | 105 | 112 | 100 | 102 | 115 | 110 | 109 | 110 | 26.5 | 39.9 | 37.2 |
| cis-1,2-Dichloroethene | 6 | 74 | 71.9 | 68.5 | 73.0 | 78.2 | 89.6 | 77.5 | 102.0 | 112 | 80 | 96.9 | 77 | 83.3 | 92.8 | 101 | 105 | 120 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <25 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2.5 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <100 | <20 | <0.5 | <20 | <20 | <20 | <20 | <0.5 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | <2.5 | <10 | <10 | <10 | <10 | 1.2 | <10 | <10 | <10 | <50 | <10 | 1.6 | <10 | <10 | <10 | <10 | 2.4 | <10 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Trichloroethene | 5 | 26 | 32.1 | 18.1 | 29.1 | 27.4 | 16.8 | 25.2 | 28.9 | 27.4 | <50 | 19.0 | 15 | 17.1 | 14.6 | 15.8 | 15.3 | 18 | <10 | 10.8 | 11.6 |
| Freon-113 | 1200 | <2.5 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| Freon-123A | | | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <50 | <10 | | <10 | <10 | <10 | <10 | | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 59.0 | 55.9 | 43.8 | 53.2 | 40.9 | 49.4 | 41.8 | 46.1 | 45.8 | <50 | 35.8 | 33 | 33.0 | 36.2 | 44.0 | 41.2 | 52 | 15.2 | 15.4 | 19.4 |
| Total Halogenated Hydrocarbons | | 974.8 | 971.9 | 1,125.4 | 995.3 | 1003.5 | 1239.3 | 1,059.5 | 1,153.0 | 1,252.2 | 1,095 | 1,157.7 | 1,054.2 | 1,082.4 | 1,183.6 | 1,213.8 | 1,222.5 | 1,092.3 | 394.1 | 488.5 | 301.2 |
| Total Concentration of VOCs | | 974.8 | 971.9 | 1,125 | 995.3 | 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 | 394.1 | 488.5 | 301.2 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Dec-06 | Jan-07 | Feb-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| n-Butylbenzene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| sec-Butylbenzene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| ter-Butylbenzene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Chlorobenzene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Ethylbenzene | 300 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Isopropylbenzene | | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <10 | <10 | <10 | <2 | <10 |
| p-Isopropyltoluene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Methyl tert-Butyl Ether | 13 | <50 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <50 | <5 | <25 | <25 | <25 | <5 | <25 |
| Naphthalene | | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <10 | <10 | <10 | <2 | <10 |
| n-Propylbenzene | | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Toluene | 150 | <10 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Xylenes, total | 1750 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <10 | <10 | <10 | <2 | <10 |
| Total Aromatic Hydrocarbons | | | 0.67 | | | | | | | | 0.6 | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Bromomethane | 80 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <10 | <50 | <50 | <50 | <10 | <50 |
| Carbon Tetrachloride | 0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Chloroethane | | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <30 | <150 | <150 | <150 | <30 | <150 |
| Chloroform | 80 | <30 | 0.73 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <3 | <15 | <15 | <15 | <3 | <15 |
| Chloromethane | | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <10 | <50 | <50 | <50 | <10 | <50 |
| 1,1-Dichloroethane | 5 | 442.0 | 270.0 | 292.0 | 271.0 | 241.0 | 339.0 | 139.0 | 112.0 | 139.0 | 150 | 120.0 | 137.0 | 163.0 | 145.0 | 149.0 | 156 | 142 | 144 | 138.0 | 133 |
| 1,2-Dichloroethane | 0.5 | <20 | 3.2 | 2.6 | <2 | 3.5 | <2 | <2 | <2 | <2 | 1.4 | <2 | <2 | <2 | <20 | <2 | <10 | <10 | <10 | <2 | <10 |
| 1,1-Dichloroethene | 6 | 40.7 | 53.0 | 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 | 28.4 | 25.4 | 29.3 |
| cis-1,2-Dichloroethene | 6 | <10 | 2.2 | 2.1 | 3.7 | 30.0 | 17.8 | 14.7 | 8.6 | 8.6 | 11 | 16.0 | 9.1 | 17.7 | 12.8 | 14.3 | 18.1 | 22.5 | 23.4 | 26.3 | 25.1 |
| trans-1,2-Dichloroethene | 10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| 1,2-Dichloropropane | 5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Methylene Chloride | 5 | 10.3 | 3.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| 1,1,1,2-Tetrachloroethane | | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <10 | <10 | <10 | <2 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Tetrachloroethene | 5 | <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 | <5 | 2.1 | <5 |
| 1,1,1-Trichloroethane | 200 | <10 | 0.76 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| 1,1,2-Trichloroethane | 5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Trichloroethene | 5 | 16.3 | 19.0 | 13.1 | 11.7 | 9.9 | 4.4 | 3.8 | 3.8 | 4.4 | 17 | 12.0 | 9.5 | 24.4 | 17.4 | 12.6 | 21.9 | 17.3 | 13.9 | 12.4 | 13.4 |
| Freon-113 | 1200 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Freon-123A | | <10 | | | | | | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <5 | <5 | <5 | <1 | <5 |
| Vinyl Chloride | 0.5 | 13.3 | 15.0 | 18.8 | 13.9 | 25.2 | 15.5 | 16.9 | 12.6 | 18.7 | 34.0 | 35.0 | 21.5 | 43.1 | 22.6 | 25.4 | 27.3 | 24.0 | 23.2 | 19.5 | 18.2 |
| Total Halogenated Hydrocarbons | | 522.6 | 368.29 | 373.0 | 324.7 | 362.7 | 401.5 | 189.0 | 150.3 | 186.5 | 245.0 | 218.2 | 197.0 | 295.9 | 227.5 | 230.6 | 260.7 | 236.9 | 232.9 | 223.7 | 219.0 |
| Total Concentration of VOCs | | 522.6 | 369.0 | 373.0 | 324.7 | 362.7 | 401.5 | 189.0 | 150.3 | 186.5 | 245.6 | 218.2 | 197.0 | 295.9 | 227.5 | 230.6 | 260.7 | 236.9 | 232.9 | 223.7 | 219.0 |

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

| Constituent | MCL | SB64-02-1D(Cont'd) | | | | | | SB64-02-1E | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07*≈ | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| sec-Butylbenzene | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzene | | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | | <10 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Methyl tert-Butyl Ether | 13 | | <25 | <5 | <5 | <50 | | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | | <10 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | 0.62 | <5 | <1 | 2 | <10 | 0.74 | <1 | <1 | 1.6 | 2.0 | 2.4 | 2.3 | 1.8 | 1.4 | <1 | 1.9 | <1 | <1 | 1.5 | 1.4 |
| Xylenes, total | 1750 | <1 | <10 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | 0.62 | | | 2.0 | | 0.74 | | | 1.6 | 2.0 | 2.4 | 2.3 | 1.8 | 1.4 | | 1.9 | | | 1.5 | 1.4 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <1 | <50 | <10 | <10 | <100 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <0.5 | <150 | <30 | <30 | <300 | 1.2 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <0.5 | <15 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | 0.54 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| Chloromethane | | <0.5 | <50 | <10 | <10 | <100 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 120 | 139 | 132.0 | 242.0 | 162 | 140 | 77.3 | 160.4 | 141.0 | 122.0 | 100.0 | 135.0 | 106.0 | 145.0 | 45.8 | 103.0 | 42.0 | 15.2 | 90 | 63.1 |
| 1,2-Dichloroethane | 0.5 | 0.99 | <10 | <2 | 3.3 | <20 | 2.1 | <2 | <2 | <2 | <2 | 1.2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 0.97 | <2 |
| 1,1-Dichloroethene | 6 | 26 | 28.7 | 25.2 | 88.8 | 30.9 | 31 | 5.3 | 21.9 | 26.1 | 17.7 | 14.0 | 17.2 | 10.0 | 15.6 | 7.3 | 7.7 | 4.3 | 2.9 | 27 | 10.1 |
| cis-1,2-Dichloroethene | 6 | 21 | 31.6 | 25.7 | 83.4 | 37.8 | 58 | <1 | 1.1 | 1.5 | <1 | 0.88 | <1 | 1.0 | 3.6 | 2.9 | 5.6 | 1.8 | <1 | 6.7 | 4.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <5 | <1 | <1 | <10 | <1 | 1.0 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <10 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 2.3 | <5 | 1.3 | 5.3 | <10 | 0.58 | <1 | 1.4 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 13 | 14.1 | 11.2 | 53.5 | 18.9 | 10 | 2.5 | 7.2 | 9.5 | 8.4 | 5.8 | 7.4 | 5.3 | 4.5 | <1 | 3.2 | 2.1 | 2.0 | 16 | 6.2 |
| Freon-113 | 1200 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | <5 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | | | | | | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 16 | 18.2 | 17.5 | 55.0 | 26.6 | 33 | 3.9 | 10.7 | 13.2 | 8.8 | 7.0 | 11.2 | 8.5 | 10.8 | 2.8 | 15.7 | 6.4 | 6.1 | 27.0 | 16.2 |
| Total Halogenated Hydrocarbons | | 199.3 | 231.6 | 212.9 | 531.3 | 276.2 | 275.9 | 90.0 | 203.9 | 191.3 | 156.9 | 130.03 | 170.8 | 130.8 | 179.5 | 58.8 | 135.2 | 56.6 | 26.2 | 169.77 | 99.7 |
| Total Concentration of VOCs | | 199.9 | 231.6 | 212.9 | 533.3 | 276.2 | 386.6 | 90.0 | 203.9 | 192.9 | 158.9 | 132.4 | 173.1 | 132.6 | 180.9 | 58.8 | 137.1 | 56.6 | 26.2 | 171.3 | 101.1 |

# 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 | 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* | Sep-02 | Nov-02 | Feb-03 | Jun-03 | Jul-03* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | <0.5 |
| Chlorobenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 | <2 | <20 | | <20 | <20 | <20 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <25 | | <25 | <5 | <5 | <50 | | <50 | <50 | <50 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | | <10 | <2 | <2 | <20 | | <20 | <20 | <20 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | <0.5 |
| Toluene | 150 | 1.2 | 1.3 | <10 | <1 | 1.0 | 1.1 | 1.5 | 1.6 | <5 | 1.4 | <5 | 1.2 | 2.2 | <10 | 1.1 | <10 | <10 | <10 | 5.2 | 2.1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <10 | <2 | <2 | <20 | <1 | <20 | <20 | <20 | <2 | <1 |
| Total Aromatic Hydrocarbons | | 1.2 | 1.3 | | | 1.0 | 1.1 | 1.5 | 1.6 | | 1.40 | | 1.2 | 2.2 | | 1.10 | | | | 5.2 | 2.1 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <50 | <1 | <50 | <10 | <10 | <100 | <1 | <100 | <100 | <100 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <150 | <0.5 | <150 | <30 | <30 | <300 | <0.5 | <300 | <300 | <300 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <15 | <0.5 | <15 | <3 | <3 | <30 | <0.5 | <30 | <30 | <30 | <3 | 0.80 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <0.5 | <50 | <10 | <10 | <100 | <0.5 | <100 | <100 | <100 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 67.8 | 124.0 | 82.4 | 60.0 | 111.0 | 72.6 | 102.0 | 66.2 | 80.7 | 86 | 94.9 | 64.4 | 234.0 | 113 | 44 | 167.3 | 227.3 | 178.0 | 254.0 | 35.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | 0.99 | <10 | <2 | 2.7 | <20 | 0.55 | <20 | <20 | <20 | 2.2 | 1.4 |
| 1,1-Dichloroethene | 6 | 10.8 | 41.2 | 24.1 | 64.5 | 36.8 | 21.8 | 29.9 | 18.6 | 22.2 | 27 | 22.9 | 15.9 | 81.1 | 25.6 | 18 | 21.2 | 26.4 | 22.2 | 22.6 | 13.0 |
| cis-1,2-Dichloroethene | 6 | 4.5 | 12.9 | <10 | 13.1 | 11.4 | 10.2 | 15.2 | 12.9 | 16.7 | 22 | 22.3 | 14.1 | 68.4 | 31.4 | 16 | <10 | <10 | <10 | 2.0 | 0.86 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <5 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <10 | <0.5 | <10 | <2 | <2 | <20 | <0.5 | <20 | <20 | <20 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | .<0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Tetrachloroethene | 5 | 1.5 | 3.4 | <10 | 10.6 | 6.1 | 3.5 | 4.1 | 3.3 | <5 | 3.8 | <5 | 1.7 | 7.5 | <10 | 0.81 | <10 | <10 | <10 | <1 | 0.53 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | 1.4 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Trichloroethene | 5 | 9.4 | 25.2 | 20.1 | 49.6 | 30.4 | 19.6 | 23.9 | 17.0 | 19.1 | 22 | 20.3 | 13.5 | 73.8 | 23.9 | 16 | <10 | <10 | <10 | 9.4 | 4.6 |
| Freon-113 | 1200 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <10 | | <10 | <10 | <10 | <1 | |
| Vinyl Chloride | 0.5 | 12.6 | 33.5 | 14.3 | 29.7 | 19.2 | 13.1 | 17.3 | 11.5 | 12.7 | 14 | 12.3 | 10.4 | 45.8 | 17.6 | 13 | 15.1 | 22.5 | 15.0 | 13.3 | 7.9 |
| Total Halogenated Hydrocarbons | | 106.6 | 240.2 | 140.9 | 228.9 | 214.9 | 140.8 | 192.4 | 129.5 | 151.4 | 175.79 | 172.7 | 120.0 | 513.3 | 211.5 | 108.4 | 203.6 | 276.2 | 215.2 | 303.5 | 64.09 |
| Total Concentration of VOCs | | 107.8 | 241.5 | 140.9 | 228.9 | 215.9 | 141.9 | 193.9 | 131.1 | 151.4 | 177.2 | 172.7 | 121.2 | 515.5 | 211.5 | 109.5 | 203.6 | 276.2 | 215.2 | 308.7 | 66.2 |

# 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-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 | Feb-07 | Mar-07* | Apr-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <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 | <5 | <1 | <1 | <1 | <1 | | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | | <2 |
| p-Isopropyltoluene | | <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 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 |
| Toluene | 150 | 3.7 | <1 | <1 | <1 | <1 | 1.0 | <1 | 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 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | 3.7 | | | | | 1.0 | | 1.2 | 3.1 | 1.5 | 1.8 | 3.6 | 3.4 | | 3.5 | 3.7 | 3.6 | 3.4 | 2.10 | 2.8 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | <10 | <10 | <10 | <1 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <150 | <30 | <30 | <30 | <30 | <0.5 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | <10 | <10 | <10 | <0.5 | <10 |
| 1,1-Dichloroethane | 5 | 151.0 | 93.8 | 91.1 | 75.0 | 26.7 | 51.5 | 35.8 | 150 | 76.4 | 65.9 | 200.0 | 92.9 | 89.8 | 149 | 103.0 | 133.0 | 95.1 | 135.0 | 110 | 123.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.6 | <2 | <2 | 2.1 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | 2.9 | <2 |
| 1,1-Dichloroethene | 6 | 20.9 | 7.3 | 10.5 | 7.3 | 3.0 | 4.3 | 4.5 | 46 | 10.3 | 11.5 | 63.9 | 15.4 | 17.2 | 35.0 | 19.6 | 26.0 | 19.1 | 27.8 | 59 | 32.0 |
| cis-1,2-Dichloroethene | 6 | 1.2 | <1 | <1 | 2.3 | <1 | 1.7 | 1.4 | 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 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 6.8 | 3.8 | <1 | 3.1 | 1.6 | 2.7 | 2.5 | 30 | 7.2 | 10.1 | 40.4 | 12.1 | 13.2 | 24.0 | 15.5 | 20.4 | 21.1 | 27.0 | 43 | 27.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | | | | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | 9.6 | 5.7 | 5.1 | 5.1 | 2.0 | 5.9 | 7.2 | 44.0 | 17.2 | 10.4 | 51.3 | 14.0 | 14.3 | 25.2 | 16.0 | 20.1 | 12.2 | 16.4 | 33 | 21.6 |
| Total Halogenated Hydrocarbons | | 189.5 | 112.5 | 106.7 | 92.8 | 33.3 | 66.1 | 51.4 | 284.3 | 116.1 | 103.5 | 383.0 | 142.4 | 143.1 | 246.9 | 166.5 | 216.5 | 159.5 | 225.6 | 287.80 | 232.8 |
| Total Concentration of VOCs | | 193.2 | 112.5 | 106.7 | 92.8 | 33.3 | 67.1 | 51.4 | 285.5 | 119.2 | 105.0 | 384.8 | 146.0 | 146.5 | 246.9 | 170.0 | 220.2 | 163.1 | 229.0 | 290 | 235.6 |

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

| Constituent | MCL | SB64-02-1F (Cont'd) | | | | SB64-02-2A | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-07 | Jun-07 | Aug-07 | Sep-07* | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Chlorobenzene | | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <200 | <200 | <20 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | <5 | <500 | <500 | <50 | <5 | <50 | <50 | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <50 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <200 | <200 | <20 | <2 | <20 | <20 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <100 | <100 | <10 | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Toluene | 150 | 3.5 | 3.5 | 2.9 | 4.4 | 1.7 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <200 | <200 | <20 | <2 | <20 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | 3.5 | 3.5 | 2.9 | 4.40 | 1.7 | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | 3.4 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <1 | <10 | <1000 | <1000 | <100 | <10 | <100 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Chloroethane | | <30 | <30 | <30 | 0.88 | <30 | <3000 | <3000 | <300 | <30 | <300 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <300 | <300 | <30 | <3 | <30 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <30 |
| Chloromethane | | <10 | <10 | <10 | <0.5 | <10 | <1000 | <1000 | <100 | <10 | <100 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <100 |
| 1,1-Dichloroethane | 5 | 231.0 | 112.0 | 191.0 | 120 | 5,730 | 3,110 | 1,130 | 435.0 | 166 | 211.0 | 238.0 | 400 | 412.0 | 338.0 | 375.0 | 300.0 | 293.0 | 270.0 | 270.0 | 288.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | 1.5 | 74.5 | <200 | <200 | <20 | 3.6 | <20 | <20 | 4.6 | 4.7 | 5.4 | 4.6 | <20 | 3.7 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 30.1 | 30.7 | 35.1 | 24 | 237.0 | 330.0 | <100 | 72.2 | 61.0 | 47.3 | 37.9 | 54 | 65.9 | 61.6 | 57.3 | 35.5 | 51.2 | 38.7 | 41.6 | 38.4 |
| cis-1,2-Dichloroethene | 6 | 24.6 | 26.9 | 42.3 | 28 | 45.2 | <100 | <100 | 17.5 | 18.1 | 12.9 | <10 | 16 | 48.4 | 109.0 | 157.0 | 148.0 | 215.0 | 227.0 | 215.0 | 240.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <0.5 | 1.2 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | 57.2 | <100 | <100 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <200 | <200 | <20 | <2 | <20 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | .<0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | 1.2 | 1.3 | <1 | <10 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 2.0 | 1.3 | 2.6 | 3.1 | 29.9 | <100 | <100 | 34.0 | 47.9 | 30.2 | 32.9 | 32.0 | 28.2 | 15.0 | 6.0 | <10 | <1 | <0 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | 5.0 | <100 | <100 | <10 | <1 | <10 | <10 | 0.62 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | 11.1 | <100 | <100 | <10 | <1 | <10 | <10 | 0.86 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 23.8 | 22.0 | 29.0 | 25 | 257.0 | 344.0 | 206.0 | 117.0 | 143.0 | 85.4 | 75.8 | 120 | 129.0 | 117.0 | 81.5 | 55.3 | 39.7 | 46.6 | 56.6 | 42.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <100 | <100 | <10 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Freon-123A | | <1 | <1 | <1 | | <1 | | | | <1 | <10 | <10 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | 21.7 | 25.0 | 24.3 | 18 | 44.5 | <100 | <100 | <10 | <1 | <10 | <10 | 4.2 | 4.2 | 4.6 | 4.9 | <10 | 5.7 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 333.2 | 217.9 | 324.3 | 220.5 | 6,496.0 | 3,784 | 1,336 | 675.7 | 439.6 | 386.8 | 384.6 | 632.28 | 693.6 | 651.9 | 686.3 | 538.8 | 608.3 | 582.3 | 583.2 | 608.9 |
| Total Concentration of VOCs | | 336.7 | 221.4 | 327.2 | 224.9 | 6,498 | 3,784 | 1,336 | 675.7 | 439.6 | 386.8 | 384.6 | 632.3 | 693.6 | 651.9 | 686.3 | 538.8 | 608.3 | 582.3 | 583.2 | 608.9 |

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

| Constituent | MCL | SB64-02-2A (Cont'd) | | | | | | | | SB64-02-2B | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-07 | Feb-07 | Mar-07*≈ | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07*≈ | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Nov-03 | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 | Mar-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| n-Butylbenzene | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | |
| sec-Butylbenzene | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | |
| ter-Butylbenzene | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Chlorobenzene | | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Ethylbenzene | 300 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Isopropylbenzene | | <20 | <10 | | <10 | <20 | <20 | <20 | | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 | |
| p-Isopropyltoluene | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Methyl tert-Butyl Ether | 13 | <50 | <25 | | <25 | <50 | <50 | <50 | | <5 | <50 | <50 | <2 | <250 | <5 | <5 | <5 | <5 | <5 | <50 | |
| Naphthalene | | <20 | <10 | | <10 | <20 | <20 | <20 | | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 | |
| n-Propylbenzene | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | |
| Toluene | 150 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | 1.2 | 1.6 | 2.1 | <1 | <1 | <10 | <2.5 |
| Xylenes, total | 1750 | <20 | <10 | <1 | <10 | <20 | <20 | <20 | <1 | <2 | <20 | <20 | <3 | <100 | <2 | <2 | <2 | <2 | <2 | <20 | <5 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 1.2 | 1.6 | 2.1 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Bromomethane | 80 | <100 | <50 | <1 | <50 | <100 | <100 | <100 | <1 | <10 | <100 | <100 | <3 | <100 | <10 | <10 | <10 | <10 | <10 | <100 | <5 |
| Carbon Tetrachloride | 0.5 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Chloroethane | | <300 | <150 | <0.5 | <150 | <300 | <300 | <300 | <0.5 | <30 | <300 | <300 | <2 | <1500 | <30 | <30 | <30 | <30 | <30 | <300 | <2.5 |
| Chloroform | 80 | <30 | <15 | <0.5 | <15 | <30 | <30 | <30 | <0.5 | <3 | <30 | <30 | <2 | <150 | <3 | <3 | <3 | <3 | <3 | <30 | <2.5 |
| Chloromethane | | <100 | <50 | <0.5 | <50 | <100 | <100 | <100 | <0.5 | <10 | <100 | <100 | <2 | <500 | <10 | <10 | <10 | <10 | <10 | <100 | <2.5 |
| 1,1-Dichloroethane | 5 | 280.0 | 262 | 160 | 238 | 225 | 218 | 203 | 99 | 1,253 | 889.0 | 995.0 | 68.0 | 626.0 | 606.0 | 634.0 | 719.0 | 832 | 723.0 | 458.0 | 680 |
| 1,2-Dichloroethane | 0.5 | <20 | <10 | 3.1 | <10 | <20 | <20 | <20 | 1.7 | 10.2 | <20 | <20 | <2 | <100 | <2 | 3.8 | 3.2 | 4.6 | 4.1 | <20 | 3.7 |
| 1,1-Dichloroethene | 6 | 37.5 | 33.2 | 25 | 30.8 | 28.1 | 31.5 | 24 | 16 | 206.7 | 161.0 | 186.0 | 9.7 | 89.2 | 61.5 | 84.4 | 126.0 | 146.0 | 109.0 | 67.6 | 72 |
| cis-1,2-Dichloroethene | 6 | 201.0 | 206.0 | 100 | 174.0 | 186 | 219 | 188 | 57 | 3.6 | <10 | <10 | <2 | <50 | 11.1 | 38.4 | 56.6 | 93.6 | 34.1 | 14.6 | 21 |
| trans-1,2-Dichloroethene | 10 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| 1,2-Dichloropropane | 5 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Methylene Chloride | 5 | <10 | <5 | <1 | <5 | <10 | <10 | <10 | <1 | 29.8 | 27.8 | 24.3 | <3 | <50 | 1.6 | 8.4 | <1 | 5.9 | 1.6 | <10 | <5 |
| 1,1,1,2-Tetrachloroethane | | <20 | <10 | <0.5 | <10 | <20 | <20 | <20 | <0.5 | <2 | <20 | <20 | <2 | <100 | <2 | <2 | <2 | <2 | <2 | <20 | <2.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | .<0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Tetrachloroethene | 5 | <10 | <5 | 1.4 | <5 | <10 | <10 | <10 | 1.2 | 8.1 | <10 | <10 | <2 | <50 | 1.6 | <1 | <1 | 5.8 | <1 | <10 | <2.5 |
| 1,1,1-Trichloroethane | 200 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | 3.0 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| 1,1,2-Trichloroethane | 5 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Trichloroethene | 5 | 65.0 | 41.2 | 38 | 34.7 | 32.4 | 34.4 | 24.3 | 26 | 42.7 | 38.5 | 74.7 | 7.6 | <50 | 19.2 | 16.8 | 24.5 | 66.3 | 16.9 | 15.7 | 20 |
| Freon-113 | 1200 | <10 | <5 | <0.5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <10 | <10 | <2 | <50 | <1 | <1 | <1 | <1 | <1 | <10 | <2.5 |
| Freon-123A | | <10 | <5 | | <5 | <10 | <10 | <10 | | <1 | <10 | <10 | | | | | | <1 | <1 | <10 | |
| Vinyl Chloride | 0.5 | 14.4 | 25.0 | 17 | 23.6 | 23.1 | 25.3 | 33.8 | 17 | 13.7 | 14.1 | 17.6 | <2 | <50 | 2.5 | 3.4 | 6.8 | 5.8 | 1.6 | <10 | <2.5 |
| Total Halogenated Hydrocarbons | | 597.9 | 567.4 | 344.50 | 501.1 | 494.6 | 528.2 | 473.1 | 217.90 | 1,570.8 | 1,130.4 | 1,297.6 | 85.3 | 715.2 | 703.5 | 789.2 | 936.1 | 1,160 | 890.3 | 555.9 | 796.7 |
| Total Concentration of VOCs | | 597.9 | 567.4 | 654.5 | 501.1 | 494.6 | 528.2 | 473.1 | 397.9 | 1,571 | 1,130 | 1,298 | 85.3 | 715.2 | 704.7 | 790.8 | 938.2 | 1,160 | 890.3 | 555.9 | 796.7 |

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

| | | SB64-02-2B (Cont'd) | | | | | | | | | | | | | | | SB64-02-2C | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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*≈ | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Apr-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| n-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | <0.5 | <10 |
| sec-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | <0.5 | <10 |
| ter-Butylbenzene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | <0.5 | <10 |
| Chlorobenzene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <30 |
| Isopropylbenzene | | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | | <2 | <2 | <2 | <0.5 | <20 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | <0.5 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <25 | <25 | <50 | <50 | <50 | | <5 | <5 | <5 | <0.5 | <50 |
| Naphthalene | | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | | <2 | <2 | <2 | <0.5 | <20 |
| n-Propylbenzene | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | <0.5 | <10 |
| Toluene | 150 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 0.93 | <1 | <1 | <1 | <0.5 | <10 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | <1 | <2 | <2 | <2 | <1 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 0.93 | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Bromomethane | 80 | <10 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <100 | <1 | <10 | <10 | <10 | <1 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Chloroethane | | <30 | <300 | <300 | <300 | <30 | <300 | <300 | <300 | <300 | <150 | <150 | <300 | <300 | <300 | <0.5 | <30 | <30 | <30 | <0.5 | <300 |
| Chloroform | 80 | <3 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <30 | <15 | <15 | <30 | <30 | <30 | <0.5 | <3 | <3 | <3 | 0.78 | <30 |
| Chloromethane | | <10 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <50 | <50 | <100 | <100 | <100 | <0.5 | <10 | <10 | <10 | <0.5 | <100 |
| 1,1-Dichloroethane | 5 | 90.0 | 681.0 | 501.0 | 500.0 | 734.0 | 583.0 | 542.0 | 608.0 | 766.0 | 638 | 666 | 727 | 841 | 762 | 640 | 136.9 | 241.0 | 202.0 | 120.0 | 151.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <20 | <20 | 3.8 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | 4 | <2 | <2 | 2.1 | 0.67 | <20 |
| 1,1-Dichloroethene | 6 | 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 | 142.8 | 80.6 | 63.0 | 51.0 | 49.8 |
| cis-1,2-Dichloroethene | 6 | 11.6 | 27.3 | 14.8 | 12.4 | 16.3 | 15.9 | 17.2 | 22.6 | 26.4 | 24.2 | 15.0 | 14.5 | 22.2 | 20.8 | 27 | <1 | <1 | 1.6 | 0.59 | <10 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <1 | 3.8 | 2.6 | 2.9 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <10 | <10 | <20 | <20 | <20 | <0.5 | <2 | <2 | <2 | <0.5 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Tetrachloroethene | 5 | 4.5 | <10 | <10 | <10 | 1.9 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 3.4 | 6.4 | 2.2 | 4.1 | 0.97 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | 1.1 | <1 | <1 | 0.63 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Trichloroethene | 5 | 17.1 | 20.3 | 15.0 | 13.1 | 20.4 | 19.3 | 16.0 | 15.1 | 16.7 | 15.2 | 15.8 | 17.1 | 19.0 | <10 | 20 | 12.9 | 13.5 | 37.6 | 12.0 | 14.8 |
| Freon-113 | 1200 | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | <0.5 | <1 | <1 | <1 | <0.5 | <10 |
| Freon-123A | | <1 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | | <1 | <1 | <1 | | |
| Vinyl Chloride | 0.5 | <1 | <10 | <10 | <10 | 1.2 | <10 | <10 | <10 | <10 | <5 | <5 | <10 | <10 | <10 | 1.7 | 8.3 | 8.4 | 5.6 | 2.8 | <10 |
| Total Halogenated Hydrocarbons | | 140.3 | 816.3 | 593.1 | 571.1 | 871.4 | 670.8 | 634.3 | 704.3 | 884.6 | 740.5 | 761.9 | 838.7 | 968.7 | 852.3 | 768.10 | 312.2 | 348.3 | 318.9 | 189.44 | 215.6 |
| Total Concentration of VOCs | | 140.3 | 816.3 | 593.1 | 571.1 | 871.4 | 670.8 | 634.3 | 704.3 | 884.6 | 740.5 | 761.9 | 838.7 | 968.7 | 852.3 | 1,439 | 312.2 | 348.3 | 318.9 | 189.4 | 215.6 |

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

| Constituent | MCL | SB64-02-2C Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jun-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <50 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 | | <5 | <50 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| Toluene | 150 | 1.7 | 1.9 | 1.4 | 1.1 | <10 | 0.75 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <5 | 0.6 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | 1.7 | 1.9 | 1.4 | 1.1 | | 0.75 | | | | | | | | | 1.0 | | 0.6 | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <1 | <10 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <150 | <0.5 | <30 | <300 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <15 | <0.5 | <3 | <30 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <0.5 | <10 | <100 | <10 |
| 1,1-Dichloroethane | 5 | 150.0 | 162.0 | 149 | 138 | 137.0 | 90 | 87.7 | 94.4 | 88.2 | 95.7 | 98.9 | 92.7 | 92 | 101 | 98.5 | 91 | 74 | 79.7 | 79.3 | 105.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <20 | 0.56 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | 0.68 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 57.0 | 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 | 35.1 | 38 | 25.2 | 34.4 | 45.3 |
| cis-1,2-Dichloroethene | 6 | 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 | 15.7 | 14 | 14.4 | 15.1 | 19.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <0.5 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <1 | <5 | 0.75 | <1 | <10 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Trichloroethene | 5 | 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 | 8.7 | 7.6 | 5.9 | <10 | 8.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <10 | <1 |
| Freon-123A | | | | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | 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 | <5 | 1.1 | <1 | <10 | 1.7 |
| Total Halogenated Hydrocarbons | | 247.7 | 286.0 | 255.8 | 246.4 | 226.9 | 156.36 | 155.8 | 166.3 | 154.7 | 166.5 | 170.8 | 164.7 | 162.3 | 169.1 | 166.7 | 150.0 | 136.13 | 125.2 | 128.8 | 179.5 |
| Total Concentration of VOCs | | 249.4 | 287.9 | 257.2 | 247.5 | 226.9 | 157.1 | 155.8 | 166.3 | 154.7 | 166.5 | 170.8 | 164.7 | 162.3 | 169.1 | 167.7 | 150.0 | 136.7 | 125.2 | 128.8 | 179.5 |

# 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 | Aug-07 | Sep-07* | Nov-02 | Feb-03 | Jun-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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Chlorobenzene | | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | | <5 | <50 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <50 | | <5 | <5 | <5 | <50 | <5 | <5 | <5 |
| Naphthalene | | <10 | | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 1 | <1 | <10 | <1 | <0.5 | 1.1 | 1.9 | 1.7 | <1 | <1 | <10 | 1.4 | 1.1 | <1 | 1.3 | <10 | 1.4 | 1.7 | 1.7 |
| Xylenes, total | 1750 | <10 | <1 | <2 | <20 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 1.00 | | | | | 1.1 | 1.9 | 1.7 | | | | 1.4 | 1.1 | | 1.3 | | 1.4 | 1.7 | 1.7 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <1 | <2 | <20 | <2 | <1 | <10 | <10 | <10 | <10 | <10 | <100 | <1 | <10 | <10 | <10 | <100 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Chloroethane | | <150 | <0.5 | <30 | <300 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <300 | <0.5 | <30 | <30 | <30 | <300 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <0.5 | <3 | <30 | <3 | 0.96 | <3 | <3 | <3 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <30 | <3 | <3 | <3 |
| Chloromethane | | <50 | <0.5 | <10 | <100 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <100 | <0.5 | <10 | <10 | <10 | <100 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 93 | 86 | 574.3 | 341.0 | 260.0 | 120.0 | 68.0 | 144.0 | 170.0 | 79.2 | 130.0 | 108.0 | 130 | 118.0 | 65.7 | 123.0 | 116.0 | 122.0 | 113.0 | 113.0 |
| 1,2-Dichloroethane | 0.5 | <10 | 0.83 | <2 | <20 | <2 | 1.5 | <2 | <2 | <2 | <2 | <2 | <20 | 0.70 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 37.1 | 40 | 113.7 | 70.6 | 47.8 | 45.0 | 13.1 | 52.2 | 46.5 | 18.5 | 39.2 | 32.6 | 30 | 34.6 | 16.4 | 35.8 | 30.1 | 35.3 | 34.0 | 32.5 |
| cis-1,2-Dichloroethene | 6 | 19.1 | 19 | <1 | <10 | 1.1 | 0.90 | 2.7 | 17.8 | 32.8 | 19.5 | 23.3 | 15.9 | 17 | 17.6 | 10.3 | 16.2 | 12.8 | 14.3 | 15.5 | 13.5 |
| trans-1,2-Dichloroethene | 10 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | 3.7 | <10 | 3.1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <0.5 | <2 | <20 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | .<0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | 1.6 | 6.3 | <10 | <1 | 0.53 | 3.4 | <1 | <1 | 1.5 | <1 | <10 | 0.57 | 1.3 | 3 | <1 | <10 | <1 | <1 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <5 | <0.5 | 2.2 | <10 | <1 | 0.76 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 8.3 | 10 | 10.3 | 11.5 | 8.6 | 8.7 | 17.3 | 7.7 | 6.9 | 9.6 | 4.2 | <10 | 5 | 6.6 | 13.8 | 5.3 | <10 | 6.0 | 7.1 | 7.9 |
| Freon-113 | 1200 | <5 | <0.5 | <1 | <10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Freon-123A | | <5 | | <1 | <10 | <1 | | | | | <1 | <1 | <10 | | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | 1.6 | 7.5 | <10 | 4.8 | 3.8 | <1 | 1.7 | 1.8 | <1 | 1.7 | <10 | 1.4 | 1.5 | 1.5 | 1.2 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 157.5 | 159.03 | 718.0 | 423.1 | 325.4 | 182.15 | 104.5 | 223.4 | 258.0 | 128.3 | 198.4 | 156.5 | 184.67 | 179.6 | 110.7 | 181.5 | 158.9 | 177.6 | 169.6 | 168.3 |
| Total Concentration of VOCs | | 157.5 | 160.0 | 718.0 | 423.1 | 325.4 | 182.2 | 105.6 | 225.3 | 259.7 | 128.3 | 198.4 | 156.5 | 186.1 | 180.7 | 110.7 | 182.8 | 158.9 | 179.0 | 171.3 | 170.0 |

# 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 | Dec-06 | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07* | Sep-02 | Nov-02 | Feb-03 | Apr-03 | Jul-03* | Apr-04 | Sep-04 | Mar-05 | Oct-05 | Nov-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <10 | | <10 | <2 | <2 | <10 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <25 | | <25 | <5 | <5 | <25 | | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <10 | | <10 | <2 | <2 | <10 | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | 2.0 | <1 | <5 | 1.1 | <5 | <1 | 1.2 | <5 | 1.7 | <1 | 1.5 | 2.2 | <1 | 0.52 | 8.1 | 9.4 | 3.3 | 6.8 | 4.9 | 1.9 |
| Xylenes, total | 1750 | <2 | <2 | <10 | <1 | <10 | <2 | <1 | <10 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.0 | | | 1.1 | | | 1.2 | | 1.70 | | 1.5 | 2.2 | | 0.52 | 8.1 | 9.4 | 3.3 | 6.8 | 4.9 | 1.9 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <50 | <1 | <50 | <10 | <10 | <50 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <150 | <0.5 | <150 | <30 | <30 | <150 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <15 | <0.5 | <15 | <3 | <3 | <15 | <0.5 | <3 | <3 | <3 | <3 | 1.4 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <50 | <0.5 | <50 | <10 | <10 | <50 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 117.0 | 60.7 | 109.0 | 84 | 104.0 | 80.3 | 112.0 | 103.0 | 98 | 37.7 | 39.7 | 58.2 | 345.0 | 52.0 | 79.1 | 90.2 | 84.8 | 112.0 | 82.8 | 45.0 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <10 | 0.81 | <10 | <2 | <2 | <10 | 0.69 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 32.2 | 12.7 | 30.6 | 25 | 27.9 | 22.3 | 33.4 | 28.9 | 35 | 26.3 | 23.5 | 31.4 | 53.0 | 23.0 | 30.1 | 38.8 | 25.9 | 35.9 | 27.6 | 14.8 |
| cis-1,2-Dichloroethene | 6 | 14.7 | 9.5 | 12.1 | 10 | 11.0 | 9.8 | 12.3 | 9.0 | 13 | <1 | <1 | <1 | <1 | <0.5 | 3.8 | 10.4 | 16.6 | 21.8 | 17.8 | 9.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <5 | <1 | <5 | <1 | <1 | <5 | <1 | 1.2 | 1.3 | 1.0 | 3.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <10 | <0.5 | <10 | <2 | <2 | <10 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | .<0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.5 | 2.4 | <5 | 2.4 | <5 | 1.8 | <1 | <5 | 1.5 | <1 | 2.5 | <1 | 1.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | 1.1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.9 | 13.6 | <5 | 13 | 5.3 | 8.3 | 5.4 | 6.4 | 8.2 | 1.9 | 2.0 | 4.6 | 16.5 | 3.9 | 4.8 | 4.2 | 3.0 | 2.9 | 2.3 | 1.3 |
| Freon-113 | 1200 | <1 | <1 | <5 | <0.5 | <5 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <5 | | <5 | <1 | <1 | <5 | | <1 | <1 | <1 | <1 | | | | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <5 | 0.8 | <5 | <1 | <1 | <5 | 0.89 | 5.5 | 4.1 | 5.1 | 6.6 | 2.2 | 2.1 | <1 | 1.9 | 2.4 | 1.7 | <1 |
| Total Halogenated Hydrocarbons | | 172.3 | 98.9 | 151.7 | 136.01 | 148.2 | 122.5 | 163.1 | 147.3 | 157.28 | 72.6 | 73.1 | 100.3 | 426.8 | 82.50 | 119.9 | 143.6 | 132.2 | 175.0 | 132.2 | 70.2 |
| Total Concentration of VOCs | | 174.3 | 98.9 | 151.7 | 137 | 148.2 | 122.5 | 164.3 | 147.3 | 159.0 | 72.6 | 74.6 | 102.5 | 426.8 | 83.0 | 128.0 | 153.0 | 135.5 | 181.8 | 137.1 | 72.1 |

# 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) | | | | | | | | | | | | | | | | | SB64-02-2F | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | Sep-02 | Nov-02 | Feb-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Chlorobenzene | | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | | <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 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 |
| Naphthalene | | | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Toluene | 150 | 2.2 | 2.0 | 2.1 | 1.8 | <10 | 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 | 1.3 | 2.3 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 2.2 | 2.0 | 2.1 | 1.8 | | 2.4 | 2.0 | 1.8 | 1.7 | 2.3 | 2.1 | 2.3 | 1.8 | 2.3 | 2.4 | 1.7 | 1.80 | | 1.3 | 2.3 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 74 | 73.4 | 70.4 | 67.9 | 79.8 | 74.2 | 74.4 | 65.4 | 73.0 | 75.6 | 84.6 | 66 | 80.0 | 62.1 | 97.2 | 84.6 | 74 | 30.7 | 171.6 | 170.0 |
| 1,2-Dichloroethane | 0.5 | 0.62 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | 0.54 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 20 | 30.8 | 28.7 | 25.3 | 27.5 | 32.6 | 25.7 | 22.8 | 23.9 | 27.2 | 27.6 | 30 | 25.2 | 28.1 | 35.3 | 30.4 | 28 | 12.1 | 37.8 | 38.3 |
| cis-1,2-Dichloroethene | 6 | 15 | 15.6 | 14.7 | 14.0 | 15.9 | 13.5 | 13.8 | 12.8 | 13.6 | 14.4 | 15.7 | 12 | 14.9 | 10.7 | 19.9 | 14.7 | 15 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 4.0 | 2.4 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <20 | <2 | <2 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 0.89 | 2.1 | 1.4 | 1.3 | <10 | 1.6 | 1.9 | 1.3 | 1.2 | 1.5 | 1.4 | 1.4 | 1.3 | 1.3 | 1.7 | 1.8 | 1.7 | 2.0 | 11.6 | 1.3 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.3 | 10.6 | 6.4 | 5.3 | <10 | 6.3 | 7.0 | 5.3 | 5.4 | 5.8 | 6.1 | 6 | 5.4 | 5.6 | 6.9 | 5.3 | 5 | 6.7 | 9.5 | 6.9 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.7 | 2.5 | 1.9 | 1.6 | <10 | 1.6 | <1 | <1 | 1.1 | <1 | <1 | 0.88 | <1 | <1 | 1.2 | <1 | 0.9 | 1.5 | 4.2 | 5.9 |
| Total Halogenated Hydrocarbons | | 116.51 | 135.0 | 123.5 | 115.4 | 123.2 | 129.8 | 122.8 | 107.6 | 118.2 | 124.5 | 135.4 | 116.28 | 126.8 | 107.8 | 162.2 | 136.8 | 125.14 | 54.6 | 238.7 | 224.8 |
| Total Concentration of VOCs | | 118.7 | 137.0 | 125.6 | 117.2 | 123.2 | 132.2 | 124.8 | 109.4 | 119.9 | 126.8 | 137.5 | 118.6 | 128.6 | 110.1 | 164.6 | 138.5 | 126.9 | 54.6 | 240.0 | 227.1 |

# 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 | | <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 | 1.0 | 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 | 537.0 | 73.0 | 164.0 | 48.1 | 64.2 | 303.0 | 126.0 | 153.0 | 260 | 413.0 | 215.0 | 342 | 396.0 | 248.0 | 330 | 385 | 421 | 470.0 | 453 | 400 |
| 1,2-Dichloroethane | 0.5 | 3.1 | 1.4 | <2 | <2 | <2 | 2.6 | 2.4 | <2 | 1.70 | <2 | 2.5 | <10 | <20 | 2.8 | <10 | <10 | <10 | 2.9 | <10 | 2.6 |
| 1,1-Dichloroethene | 6 | 78.7 | 8.1 | 40.0 | 5.0 | 24.4 | 33.4 | 41.0 | 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 | 29.0 | 57.3 | 42.8 | 13.7 | 24 | 28.5 | 34.0 | 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 |
| 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 | <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 | | 641.6 | 86.78 | 250.8 | 58.9 | 121.4 | 400.7 | 218.2 | 185.9 | 325.57 | 489.5 | 314.4 | 413.8 | 469.3 | 348.5 | 401.0 | 446.3 | 489.7 | 562.0 | 532.8 | 477.95 |
| Total Concentration of VOCs | | 641.6 | 87.3 | 255.0 | 58.9 | 123.8 | 403.2 | 221.3 | 186.9 | 327.1 | 491.0 | 316.6 | 413.8 | 469.3 | 350.3 | 401.0 | 446.3 | 489.7 | 563.7 | 532.8 | 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) | | | | | SB64-03-1A | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-07 | May-07 | Jun-07 | Aug-07 | Sep-07*≈ | Apr-03 | May-03 | Sep-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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <2 | <20 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | <50 | <50 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <10 | <2 | <20 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 2.3 | <10 | <10 | 2 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <2 | <20 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 2.3 | | | 2.00 | | 2.0 | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <50 | <10 | <100 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <150 | <30 | <300 | <300 | 2.6 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <15 | <3 | <30 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <50 | <10 | <100 | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 469 | 505.0 | 490 | 502 | 390 | <1 | <1 | 5.0 | 39.9 | 20.1 | 16.5 | 12.7 | 12.6 | 17.4 | 21.5 | 35.4 | 47.0 | 55.9 | 59.8 | 70.0 |
| 1,2-Dichloroethane | 0.5 | <10 | 2.8 | <20 | <20 | 3.1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 42.9 | 47.8 | 50 | 38.8 | 51 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 25.3 | 30.1 | 28.6 | 25 | 26 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <20 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <10 | <10 | .<0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <10 | <10 | 0.96 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.1 | 4.8 | <10 | <10 | 4.7 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.6 |
| Freon-113 | 1200 | <5 | <1 | <10 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <10 | <10 | | <1 | <1 | <1 | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <5 | 1.1 | <10 | <10 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 543.3 | 591.6 | 568.6 | 565.8 | 479.86 | | | 5.0 | 42.1 | 20.1 | 16.5 | 12.7 | 12.6 | 17.4 | 21.5 | 35.4 | 47.0 | 55.9 | 61.1 | 71.6 |
| Total Concentration of VOCs | | 543.3 | 593.9 | 568.6 | 565.8 | 1,092 | | 2.0 | 5.0 | 42.1 | 20.1 | 16.5 | 12.7 | 12.6 | 17.4 | 21.5 | 35.4 | 47.0 | 55.9 | 61.1 | 71.6 |

# 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 | 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 | Sep-07* | Apr-03 | May-03 | May-03 | May-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | <5 | | <5 | <5 | <5 | <50 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | | <2 | | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <20 |
| 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 | <0.5 | <1 | <1 | <1 | <10 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <300 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <30 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <100 |
| 1,1-Dichloroethane | 5 | 70.3 | 48.5 | 35.7 | 25.3 | 21.2 | 16.9 | 27.2 | 22.2 | 155.0 | 189.0 | 130.0 | 35.0 | 180 | 40 | 35.4 | 18 | 429.0 | 315.0 | 873.0 | 1,020 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 2.7 | 2.6 | <2 | <2 | 1.9 | 0.63 | <2 | <0.5 | <2 | <2 | 4.5 | <20 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 9.3 | 7.4 | 3.5 | 9.1 | 1.2 | <1 | <0.5 | 55.8 | 34.9 | 117.0 | 131.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.3 | 1.6 | <1 | 2.2 | <0.5 | <1 | <0.5 | 1.2 | 1.2 | 4.0 | <10 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 5.3 | 4.5 | 11.0 | 11.8 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | .<0.5 | <1 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.5 | 1.6 | 1.4 | 3.3 | 0.68 | <1 | <0.5 | <1 | <1 | 3.3 | <10 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Trichloroethene | 5 | 2.5 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 16.7 | 17.9 | 15.5 | 9.1 | 28 | 4.6 | 5.1 | 2.7 | 6.6 | 2.8 | 19.9 | 21.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <10 |
| Freon-123A | | | | | | | | | | <1 | <1 | <1 | <1 | | | <1 | | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 25.3 | 25.7 | 54.0 | 52.4 |
| Total Halogenated Hydrocarbons | | 72.8 | 48.5 | 35.7 | 25.3 | 21.2 | 16.9 | 28.6 | 22.2 | 183.9 | 222.6 | 156.1 | 49.0 | 224.5 | 47.11 | 40.5 | 20.7 | 523.2 | 384.1 | 1,086.7 | 1,236.3 |
| Total Concentration of VOCs | | 72.8 | 48.5 | 35.7 | 25.3 | 21.2 | 16.9 | 28.6 | 22.2 | 183.9 | 222.6 | 156.1 | 49.0 | 224.5 | 47.1 | 40.5 | 20.7 | 523.2 | 384.1 | 1,087 | 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 | SB64-03-1B (Cont'd) May-03 | Jun-03 | Jun-03 | Jun-03 | Jun-03 | Jul-03 | Jul-03 | Jul-03* | Aug-03* | Aug-03 | Aug-03 | Aug-03* | Aug-03* | Sep-03 | Jan-04 | Feb-04 | Apr-04 | Apr-04 | May-04 | Jun-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <30 | <1 | <0.5 | <0.5 | <30 | <1 | <30 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <0.5 | <50 | <5 | <0.5 | <0.5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <20 | <2 | <1 | <1 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <100 | <10 | <1 | <1 | <100 | <10 | <100 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | 1.6 | <0.5 | <300 | <30 | 1.9 | 1.6 | <300 | <30 | <300 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <30 | <3 | <0.5 | <0.5 | <30 | <3 | <30 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <100 | <10 | <0.5 | <0.5 | <100 | <10 | <100 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1,070 | 1,410 | 1,080 | 1,450 | 1,480 | 1,630 | 1,390 | 890.0 | 1,100 | 1,570 | 1,170 | 1,200 | 1,200 | 461.0 | 475.0 | 682.0 | 469.0 | 644.0 | 378.0 | 559.0 |
| 1,2-Dichloroethane | 0.5 | 5.9 | 6.8 | 6.9 | 8.5 | 9.0 | 9.8 | 10.1 | 7.6 | 7.1 | <20 | 9.2 | 8.2 | 8.7 | <20 | 5.1 | <20 | 4.5 | 6.0 | 6.0 | 2.5 |
| 1,1-Dichloroethene | 6 | 161.0 | 196.0 | 186.0 | 176.0 | 196.0 | 183.0 | 140.0 | 160.0 | 160.0 | 338.0 | 213.0 | 210.0 | 190.0 | 60.1 | 27.6 | 32.2 | 13.3 | 21.8 | 19.8 | 19.0 |
| cis-1,2-Dichloroethene | 6 | 5.8 | 7.2 | 6.3 | 8.2 | 8.5 | 8.3 | 6.5 | 6.9 | 8.9 | <10 | 9.7 | 7.7 | 8.0 | <10 | 3.3 | <10 | 2.4 | 3.0 | 2.6 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 12.8 | 16.0 | 14.3 | 17.1 | 17.5 | 19.2 | 15.0 | 12.0 | 16.0 | 20.0 | 16.2 | 15.0 | 16.0 | <10 | 3.8 | <10 | 2.1 | 1.9 | 2.3 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <2 | <0.5 | <0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.1 | 2.2 | 2.3 | 3.3 | 4.2 | 4.6 | 2.5 | 5.7 | 4.3 | 13.0 | 2.8 | 4.9 | 3.6 | <10 | 2.5 | <10 | 2.3 | 3.5 | 1.8 | 5.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.50 | <0.5 | <10 | <1 | <0.5 | 0.58 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 29.4 | 35.1 | 34.7 | 45.1 | 48.9 | 54.2 | 38.7 | 45.0 | 51.0 | 60.3 | 43.2 | 51.0 | 47.0 | 17.3 | 19.8 | 23.8 | 13.4 | 27.2 | 18.0 | 29.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <1 | <0.5 | <0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | <10 | <1 | | | <10 | | | | | | |
| Vinyl Chloride | 0.5 | 64.8 | 76.5 | 79.2 | 95.6 | 104.0 | 108.0 | 73.3 | 67.0 | 100.0# | 113.0 | 84.4 | 74.0 | 70.0 | 14.2 | 2.3 | <10 | <1 | 1.5 | 1.2 | <1 |
| Total Halogenated Hydrocarbons | | 1,351.8 | 1,749.8 | 1,409.7 | 1,803.8 | 1,868.1 | 2,017.1 | 1,676.1 | 1,196.3 | 1,447.3 | 2,114.3 | 1,548.5 | 1,572.7 | 1,545.5 | 552.6 | 539.4 | 738.0 | 507.0 | 708.9 | 429.7 | 616.8 |
| Total Concentration of VOCs | | 1,352 | 1,750 | 1,410 | 1,804 | 1,868 | 2,017 | 1,676 | 1,196 | 1,447 | 2,114 | 1,549 | 1,573 | 1,545 | 552.6 | 539.4 | 738.0 | 507.0 | 708.9 | 429.7 | 616.8 |

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

| Constituent | MCL | SB64-03-1B (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 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <20 | <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 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 637.0 | 578.0 | 573.0 | 463.0 | 364.0 | 349.0 | 419.0 | 429.0 | 388.0 | 336.0 | 388.0 | 282.0 | 281.0 | 295.0 | 302.0 | 268.0 | 216.0 | 193.0 | 126.0 | 150.0 |
| 1,2-Dichloroethane | 0.5 | 6.7 | 7.0 | 7.6 | 6.7 | 3.7 | <20 | 3.3 | <20 | 3.3 | 4.3 | 3.9 | 3.8 | 2.7 | 2.2 | 3.4 | 3.6 | 2.9 | 2.6 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 23.1 | 24.8 | 23.3 | 16.1 | 8.8 | <10 | 17.7 | <10 | 17.1 | 15.3 | 16.6 | 13.4 | 10.9 | 7.7 | 10.0 | 13.1 | 10.3 | 14.8 | 11.3 | 14.7 |
| cis-1,2-Dichloroethene | 6 | 3.6 | 3.7 | 4.2 | 3.1 | 1.6 | <10 | 3.4 | <10 | 3.1 | 2.4 | 2.9 | 2.9 | 2.0 | 1.9 | 3.2 | 2.9 | 2.3 | 2.4 | 1.9 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 1.2 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.5 | 4.5 | 3.5 | 3.0 | 1.3 | <10 | 5.9 | <10 | 4.9 | 4.5 | 4.9 | 5.5 | 3.9 | 3.0 | 4.8 | 3.6 | 2.8 | 3.5 | 2.8 | 3.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 33.7 | 32.2 | 29.6 | 25.6 | 10.6 | 16.7 | 35.9 | 35.5 | 34.1 | 29.6 | 32.8 | 31.5 | 29.0 | 22.5 | 33.5 | 33.3 | 25.3 | 29.0 | 23.3 | 25.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 709.8 | 650.2 | 641.2 | 517.5 | 390.0 | 365.7 | 485.2 | 464.5 | 450.5 | 392.1 | 449.1 | 339.1 | 329.5 | 332.3 | 356.9 | 324.5 | 259.6 | 245.3 | 165.3 | 195.4 |
| Total Concentration of VOCs | | 709.8 | 650.2 | 641.2 | 517.5 | 390.0 | 365.7 | 485.2 | 464.5 | 450.5 | 392.1 | 449.1 | 339.1 | 329.5 | 332.3 | 356.9 | 324.5 | 259.6 | 245.3 | 165.3 | 195.4 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 145.0 | 153.0 | 161.0 | 212.0 | 201.0 | 189.0 | 195.0 | 170.0 | 165.0 | 140.0 | 140 | 147.0 | 158.0 | 66.1 | 121.0 | 73.8 | 154.0 | 95.2 | 155.0 | 130.0 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <2 | <2 | <2 | 2.3 | 2.4 | 2.4 | 2.3 | <20 | 2.1 | 2.4 | <2 | <2 | <2 | <2 | 2.0 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | 13.3 | 14.9 | 18.2 | 18.0 | 14.1 | 9.7 | 10.0 | 6.9 | <10 | 7 | 10.7 | 5.7 | 2.5 | 3.3 | 1.9 | 6.8 | 3.3 | 6.4 | 5.6 |
| cis-1,2-Dichloroethene | 6 | <10 | 2.6 | <1 | 2.9 | 3.4 | 3.5 | 3.8 | 3.1 | 2.8 | <10 | 2.3 | 3.5 | 2.7 | 1.3 | 2.2 | 1.3 | 2.8 | 1.4 | 3.0 | 2.7 |
| trans-1,2-Dichloroethene | 10 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <10 | 3.2 | 3.4 | 3.6 | 3.6 | 3.7 | 3.5 | 3.0 | 3.0 | <10 | 2.4 | 4.4 | 2.3 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <10 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 21.9 | 27.2 | 25.7 | 33.8 | 35.2 | 35.0 | 33.6 | 32.0 | 27.6 | 22.4 | 22 | 27.0 | 26.6 | 8.1 | 12.8 | 6.7 | 23.4 | 8.6 | 15.9 | 13.9 |
| Freon-113 | 1200 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 166.9 | 199.3 | 205.0 | 270.5 | 261.2 | 247.6 | 248.0 | 220.5 | 207.6 | 162.4 | 175.8 | 390.3 | 195.3 | 78.0 | 139.3 | 83.7 | 190.5 | 108.5 | 180.3 | 152.2 |
| Total Concentration of VOCs | | 166.9 | 199.3 | 205.0 | 270.5 | 261.2 | 247.6 | 248.0 | 220.5 | 207.6 | 162.4 | 175.8 | 390.3 | 195.3 | 78.0 | 139.3 | 85.9 | 190.5 | 108.5 | 180.3 | 153.4 |

# 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) | | | | SB64-03-4 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 |
| **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 | | <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 | 165.0 | 83.6 | 147.0 | 80.1 | 1,420 | 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 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | 6.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 7.1 | 2.6 | 5.6 | 2.6 | 201.0 | 3.4 | 2.2 | 2.2 | 1.4 | 1.9 | 1.7 | 1.7 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.1 | 1.7 | 3.4 | 2.1 | 6.2 | <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 | 15.4 | 1.3 | 1.2 | <1 | <1 | 1.4 | <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 | <1 | <1 | 19.2 | <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 | 18.0 | 9.7 | 17.0 | 9.5 | 34.7 | <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 | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | 71.2 | 1.3 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 194.6 | 97.6 | 173.0 | 94.3 | 1,774.2 | 41.2 | 31.7 | 27.8 | 22.9 | 30.6 | 23.9 | 25.3 | 29.8 | 28.3 | 31.4 | 30.2 | 30.3 | 22.2 | 19.7 | 18.9 |
| Total Concentration of VOCs | | 194.6 | 97.6 | 173.0 | 94.3 | 1,774 | 41.2 | 31.7 | 27.8 | 22.9 | 30.6 | 23.9 | 25.3 | 29.8 | 28.3 | 31.4 | 30.2 | 30.3 | 22.2 | 19.7 | 18.9 |

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

| Constituent | MCL | SB64-03-4 (Cont'd) | | | | | | | | | | | | | | SB64-03-5 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-05 | May-05 | Jun-05 | Aug-05 | Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | Mar-06* | Sept-06* | Mar-07 | Sep-07*≈ | 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 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| 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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| 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 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <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 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 19.5 | 23.0 | 26.9 | 30.7 | 30.2 | 36.4 | 35.1 | 36.9 | 27.6 | 30.5 | 37 | 48 | 41.7 | 66 | 6.8 | 3.2 | 13.4 | 8.1 | 7.0 | 9.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | 1.7 | 2.1 | <1 | 3.5 | 2.1 | 1.5 | 3.5 | 8.4 | 3.6 | 16.1 | 11.8 | 8.2 | 10.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 2.0 | 2.8 | 4.1 | 3.5 | 3.3 | 4.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 3.5 | 3.2 | 2.2 | 2.3 | 3.0 | 3.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.6 | <0.5 | <1 | <0.5 | 24.1 | 86.3 | 29.2 | 32.1 | 71.3 | 68.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <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 | 1.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 19.5 | 23.0 | 26.9 | 30.7 | 30.2 | 36.4 | 37.2 | 38.6 | 29.7 | 30.5 | 41.1 | 51.6 | 43.2 | 69.5 | 44.8 | 99.1 | 65.0 | 57.8 | 92.8 | 95.7 |
| Total Concentration of VOCs | | 19.5 | 23.0 | 26.9 | 30.7 | 30.2 | 36.4 | 37.2 | 38.6 | 29.7 | 30.5 | 41.1 | 51.6 | 43.2 | 299.5 | 44.8 | 99.1 | 65.0 | 57.8 | 92.8 | 95.7 |

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

| Constituent | MCL | SB64-03-5 (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 | | <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 | 11.0 | 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 | 17.0 | 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 | 55.0 | 80.7 | 72.6 | 84.0 | 58.1 | 68.2 | 55.5 | 68.3 | 57.1 | 72.5 | 69.0 | 90.7 | 79.3 | 42.0 | 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 |
| 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 | | 72.8 | 116.3 | 109.7 | 109.4 | 94.5 | 108.6 | 80.0 | 109.2 | 95.3 | 109.0 | 95.7 | 135.6 | 96.3 | 111.4 | 96.0 | 58.7 | 49.0 | 29.9 | 25.2 | 35.4 |
| Total Concentration of VOCs | | 72.8 | 116.3 | 109.7 | 109.4 | 94.5 | 108.6 | 80.0 | 109.2 | 95.3 | 109.0 | 95.7 | 135.6 | 96.3 | 111.4 | 96.0 | 58.7 | 49.0 | 29.9 | 25.2 | 35.4 |

# 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 | Sep-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 | <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 | | <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 | <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 | 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 | 3.3 |
| 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 | <2 |
| 1,1-Dichloroethene | 6 | 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 | 3.7 |
| cis-1,2-Dichloroethene | 6 | 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 | 2.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | 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 | 6.2 |
| 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 |
| 1,1,2-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 | 28.6 | 47.9 | 39.0 | 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 | 43.0 | 29.2 | 41.3 | 32.2 |
| 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 | <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 | | 44.2 | 63.7 | 54.3 | 54.7 | 49.9 | 54.6 | 59.2 | 57.5 | 52.1 | 48.3 | 50.5 | 51.4 | 43.1 | 41.2 | 43.8 | 47.9 | 66.2 | 63.0 | 48.8 | 60.8 | 48.2 |
| Total Concentration of VOCs | | 44.2 | 63.7 | 54.3 | 54.7 | 49.9 | 54.6 | 59.2 | 57.5 | 52.1 | 48.3 | 50.5 | 51.4 | 43.1 | 41.2 | 43.8 | 47.9 | 66.2 | 63.0 | 48.8 | 60.8 | 48.2 |

# 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 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-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 | | <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 | 1.3 | 2.0 | 1.9 | 3.7 | 4.0 | 2.8 | 4.6 | 3.8 | 4.0 | 3.0 | 1.4 | 2.1 | 3.4 | 2.5 | 2.6 | 2.0 | 2.8 | 2.2 | 1.9 |
| 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 | 3.0 | 2.3 | 6.3 | 5.0 | 9.5 | 10.4 | 5.5 | 12.6 | 10.1 | 7.2 | 7.6 | 3.4 | 4.3 | 11.2 | 7.5 | 8.8 | 6.2 | 8.9 | 6.7 | 5.7 |
| cis-1,2-Dichloroethene | 6 | 12.0 | 17.8 | 20.7 | 16.6 | 16.9 | 18.8 | 13.1 | 17.9 | 14.7 | 14.2 | 13.2 | 12.9 | 17.6 | 16.4 | 13.8 | 12.4 | 9.8 | 12.7 | 11.4 | 10.9 |
| 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 | 3.7 | 3.0 | 6.3 | 5.1 | 12.6 | 10.3 | 7.1 | 14.3 | 10.2 | 8.7 | 8.1 | 3.9 | 4.8 | 15.7 | 10.9 | 11.2 | 8.6 | 11.8 | 8.4 | 7.7 |
| 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 | 103.0 | 107.0 | 172.0 | 159.0 | 298.0 | 284.0 | 160.0 | 252.0 | 232.0 | 150.0 | 146.0 | 92.7 | 130.0 | 238.0 | 150.0 | 178.0 | 137.0 | 190.0 | 147.0 | 143.0 |
| 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 |
| 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 | | 121.7 | 131.4 | 207.3 | 187.6 | 340.7 | 327.5 | 188.5 | 301.4 | 270.8 | 184.1 | 177.9 | 114.3 | 158.8 | 284.7 | 184.7 | 213.0 | 163.6 | 226.2 | 175.7 | 169.2 |
| Total Concentration of VOCs | | 121.7 | 131.4 | 207.3 | 187.6 | 340.7 | 327.5 | 188.5 | 301.4 | 270.8 | 184.1 | 177.9 | 114.3 | 158.8 | 284.7 | 184.7 | 213.0 | 163.6 | 226.2 | 175.7 | 169.2 |

# 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) Aug-05 | Sep-05 | Oct-05 | Nov-05 | Dec-05 | Jan-06 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <300 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1.6 | 1.6 | 2.8 | 3.5 | 1.7 | 2.2 | 2.6 | 2.6 | 2.0 | 1.7 | 1.8 | 2.2 | 2.2 | <10 | 2.3 | 2.1 | 1.9 | 2.1 | 2.1 | 2.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.4 | 4.5 | 8.7 | 9.7 | 5.3 | 7.4 | 8.2 | 3.8 | 5.2 | 4.5 | 3.5 | 1.5 | 2.3 | <10 | 4.8 | 5.0 | 4.7 | 4.6 | 4.8 | 4.7 |
| cis-1,2-Dichloroethene | 6 | 11.2 | 14.4 | 22.7 | 24.9 | 14.2 | 18.6 | 17.3 | 14.7 | 13.5 | 10.2 | 10.4 | 12.4 | 14.7 | 15.3 | 16.7 | 17.4 | 13.6 | 14.4 | 14.6 | 19.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 1.3 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <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 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 6.0 | 7.0 | 8.7 | 9.6 | 7.6 | 9.3 | 11.2 | 13.4 | 10.0 | 8.8 | 8.3 | 9.6 | 8.8 | <10 | 10.0 | 9.7 | 10.7 | 9.8 | 10.1 | 8.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 117.0 | 156.0 | 250.0 | 268.0 | 150.0 | 200.0 | 216.0 | 193.0 | 168.0 | 148.0 | 156.0 | 166.0 | 175.0 | 165.0 | 100.0 | 160.0 | 177.0 | 166.0 | 171.0 | 176.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <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 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 140.2 | 183.5 | 292.9 | 315.7 | 178.8 | 237.5 | 255.3 | 227.5 | 198.7 | 173.2 | 180.0 | 192.8 | 203.0 | 180.3 | 133.8 | 194.2 | 207.9 | 196.9 | 202.6 | 212.4 |
| Total Concentration of VOCs | | 140.2 | 183.5 | 292.9 | 315.7 | 178.8 | 237.5 | 255.3 | 227.5 | 198.7 | 173.2 | 180.0 | 192.8 | 203.0 | 180.3 | 133.8 | 194.2 | 207.9 | 196.9 | 202.6 | 212.4 |

# 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) | | | | | | | SB64-03-7 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 |
| **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 | <0.5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 | <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 | <5 | <5 | <5 | <0.5 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <1 | <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 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 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 |
| 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 |
| Chloroethane | | <30 | <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 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 1.7 | 1.6 | 1.5 | 1.9 | 1.3 | 1.2 | 1.5 | <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 | 3.7 | 4.0 | 3.7 | 4.1 | 2.8 | 3.9 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 13.2 | 10.4 | 8.8 | 11.7 | 9.0 | 8.5 | 10.4 | <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 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.5 | <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 | <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 | 8.8 | 8.3 | 8.7 | 7.1 | 7.3 | 7.1 | 8.5 | <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 | 156.0 | 145.0 | 147.0 | 139.0 | 132.0 | 121.0 | 148.0 | <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 | | | | | | | <0.5 | | | | | | |
| 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 | | 183.4 | 169.3 | 169.7 | 163.8 | 152.4 | 141.7 | 171.0 | | | 4.5 | | | | | | | | | | |
| Total Concentration of VOCs | | 183.4 | 169.3 | 169.7 | 163.8 | 152.4 | 141.7 | 171.0 | | | 4.5 | | | | | | | | | | |

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

| | | SB64-03-7 (Cont'd) | | | | | | | | | | | | | | | | | | SB64-03-8 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Mar-06* | Sep-06 | Mar-07 | Sep-07* | Jan-04 | Jan-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Chlorobenzene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <5 | <5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 268.0 | 442.0 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | 8.7 | 9.0 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | 0.58 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 34.3 | 91.1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 1.5 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 37.1 | 85.7 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 2.7 | 5.6 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 2.1 | 2.2 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 59.6 | 116.0 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <0.5 | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | 2.68 | | | | | | | | | | | | | 414.0 | 753.7 |
| Total Concentration of VOCs | | | | | | | 2.7 | | | | | | | | | | | | | 414.0 | 753.7 |

# 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 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | Jun-05 | Aug-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 324.0 | 264.0 | 135.0 | 105.0 | 80.0 | 52.8 | 41.0 | 40.9 | 39.9 | 47.0 | 39.6 | 6.0 | 1.8 | <1 | <1 | <1 | 3.8 | 6.8 | 10.2 | 13.6 |
| 1,2-Dichloroethane | 0.5 | 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 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 61.2 | 67.1 | 34.2 | 30.1 | 31.0 | 21.9 | 18.8 | 23.1 | 17.2 | 16.0 | 20.0 | 3.0 | <1 | <1 | <1 | <1 | <1 | 4.1 | 5.3 | 8.5 |
| cis-1,2-Dichloroethene | 6 | <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 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <2 | <0.5 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 52.8 | 66.8 | 40.6 | 40.8 | 38.0 | 29.6 | 25.8 | 22.7 | 16.8 | 17.7 | 21.3 | 5.1 | 1.9 | 1.4 | <1 | <1 | 2.8 | 4.7 | 5.3 | 7.0 |
| 1,1,1-Trichloroethane | 200 | 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 |
| 1,1,2-Trichloroethane | 5 | 1.4 | 1.4 | <1 | <1 | 0.64 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 73.7 | 78.3 | 46.9 | 43.5 | 44.0 | 32.2 | 22.5 | 21.3 | 18.6 | 19.7 | 21.3 | 4.2 | 1.2 | <1 | <1 | <1 | 1.8 | 3.6 | 5.4 | 8.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 523.1 | 489.4 | 261.9 | 223.4 | 198.3 | 136.5 | 108.1 | 110.0 | 98.1 | 103.9 | 102.2 | 18.3 | 4.9 | 1.4 | | | 8.4 | 19.2 | 26.2 | 37.5 |
| Total Concentration of VOCs | | 523.1 | 489.4 | 261.9 | 223.4 | 198.3 | 136.5 | 108.1 | 110.0 | 98.1 | 103.9 | 102.2 | 18.3 | 4.9 | 1.4 | | | 8.4 | 19.2 | 26.2 | 37.5 |

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

| Constituent | MCL | SB64-03-8 (Cont'd) | | | | | | | | | | | | | SB64-03-12 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | Jan-04 | Feb-04 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* |
| **Aromatic or 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 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| 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 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 17.5 | 12.2 | 2.0 | 1.2 | 2.2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.92 | 3.8 | 3.2 | 2.5 | 3.0 | 3.8 | 3.7 | 4.4 |
| 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 | <0.5 |
| 1,1-Dichloroethene | 6 | 9.4 | 9.3 | 2.9 | <1 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 7.9 | 8.7 | 3.1 | 1.4 | 1.4 | <1 | 0.57 | <1 | <1 | <1 | <1 | <1 | 1.5 | 3.2 | <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 | <0.5 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 10.2 | 9.0 | 2.1 | 1.2 | 1.3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 0.88 | 3.7 | 4.2 | 4.4 | <1 | 2.0 | 2.0 | 3.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 45.0 | 39.2 | 10.1 | 3.8 | 6.7 | | 0.57 | | | | | | 3.97 | 10.7 | 7.4 | 6.9 | 3.0 | 5.8 | 5.7 | 8.28 |
| Total Concentration of VOCs | | 45.0 | 39.2 | 10.1 | 3.8 | 6.7 | | 0.6 | | | | | | 4.0 | 10.7 | 7.4 | 6.9 | 3.0 | 5.8 | 5.7 | 8.3 |

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

| | | SB64-03-12 (Cont'd) | | | SB64-03-13 | | | | | | | | | | SB64-05-4 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sept-06* | Mar-07 | Sep-07* | Jan-04 | Feb-04 | Apr-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sept-06* | Mar-07 | Sep-07* | Jul-05 | Oct-05 | Oct-05 | Oct-05 | Oct-05 | Nov-05 | Nov-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| 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 |
| Chlorobenzene | | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| 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 | | | <5 | | <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 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <1 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <0.5 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 3.0 | 3.3 | 3.4 | 20.0 | 28.3 | 43.0 | 23.0 | 20.4 | 9.0 | 8.0 | 6.8 | 6.1 | 6.6 | 10.0 | 4.9 | 3.9 | 2.3 | 2.4 | 2.4 | 2.3 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <0.5 | 6.2 | 11.2 | 18.8 | 7.8 | 9.1 | 3.0 | 1.5 | 1.3 | <1 | 1.2 | 20.0 | 11.2 | 8.9 | 5.2 | 6.6 | 5.7 | 5.4 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 27.6 | 21.8 | 16.2 | 12.3 | 13.2 | 13.4 | 9.7 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.2 | 2.4 | 2.2 | 10.4 | 16.7 | 24.5 | 10.0 | 11.2 | 3.9 | 2.0 | 1.3 | 1.2 | 1.4 | 41.9 | 19.9 | 15.3 | 7.8 | 9.3 | 9.4 | 8.6 |
| Freon-113 | 1200 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <1 | | | | | | | <1 | | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.2 | 5.7 | 5.6 | 36.6 | 56.2 | 86.3 | 40.8 | 40.7 | 15.9 | 11.5 | 9.4 | 7.3 | 9.2 | 100.8 | 57.8 | 44.3 | 27.6 | 31.5 | 30.9 | 26.0 |
| Total Concentration of VOCs | | 5.2 | 5.7 | 5.6 | 36.6 | 56.2 | 86.3 | 40.8 | 40.7 | 15.9 | 11.5 | 9.4 | 7.3 | 9.2 | 100.8 | 57.8 | 44.3 | 27.6 | 31.5 | 30.9 | 26.0 |

# 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) 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 | Aug-06* | Sep-06 | Oct-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <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 | <0.5 | <1 | <1 | <1 | <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 | <1 | | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <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 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <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 | <2 | | <2 | <2 |
| n-Propylbenzene | | <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 | <0.5 | <1 | <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 | <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 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 |
| 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 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 |
| 1,1-Dichloroethane | 5 | 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 | 0.98 | <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 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 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 | <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 | <1 | 0.51 | <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 | <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 | <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 | <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 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 10.0 | 9.0 | 9.1 | 9.4 | 10.0 | 6.8 | 6.3 | 5.4 | 5.0 | 4.5 | 3.1 | 3.3 | 3.0 | 3.0 | 3.7 | 3.4 | 3.3 | 3.2 | 2.4 | 1.9 |
| 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 | <1 |
| 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 | <1 |
| Trichloroethene | 5 | 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 | 2.4 | 2.1 | 1.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 27.0 | 24.4 | 25.6 | 27.7 | 26.3 | 19.5 | 17.8 | 16.4 | 13.4 | 11.2 | 9.4 | 10.3 | 9.1 | 7.6 | 9.9 | 8.1 | 7.0 | 7.09 | 4.5 | 3.5 |
| Total Concentration of VOCs | | 27.0 | 24.4 | 25.6 | 27.7 | 26.3 | 19.5 | 17.8 | 16.4 | 13.4 | 11.2 | 9.4 | 10.3 | 9.1 | 7.6 | 9.9 | 8.1 | 7.0 | 7.1 | 4.5 | 3.5 |

# 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 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | May-99 | May-01 | Sep-01 | Mar-02 | Sep-02 | Sep-03 | Sep-04 | Sep-05 | Aug-06* | Sep-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 | <0.5 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <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 | <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 | <0.5 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <4 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <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 | <0.5 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <10 | <10 | <10 | <10 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 1.1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.6 | 21.9 | 11.4 | 9.3 | 14.9 | 25.0 | 22.1 | 5.7 | 5.4 | 14 |
| 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 | <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 | <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 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 1.8 | 2.3 | 1.9 | 2.4 | 2.5 | 2.2 | 2.2 | 1.6 | 1.7 | 1.6 | 2.5 | 9.1 | 1.5 | <1 | 29.5 | 14.5 | <1 | 2.1 | <1 | 0.68 | <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 | <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 | <0.5 |
| Trichloroethene | 5 | 1.3 | 2.0 | 2.2 | 2.5 | 3.0 | 1.7 | 1.9 | 1.2 | <1 | <1 | 1.8 | 16.1 | 6.9 | 3.8 | 25.5 | 41.8 | 13.6 | 17.4 | 1.7 | 0.73 | 3.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.3 |
| Total Halogenated Hydrocarbons | | 3.1 | 5.4 | 4.1 | 4.9 | 7.9 | 3.9 | 4.1 | 2.8 | 1.7 | 1.6 | 5.6 | 33.8 | 30.3 | 15.2 | 64.3 | 71.2 | 38.6 | 41.6 | 7.4 | 6.81 | 18.40 |
| Total Concentration of VOCs | | 3.1 | 5.4 | 4.1 | 4.9 | 7.9 | 3.9 | 4.1 | 2.8 | 1.7 | 1.6 | 5.6 | 33.8 | 30.3 | 15.2 | 64.3 | 71.2 | 38.6 | 41.6 | 7.4 | 6.8 | 18.4 |

# 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 | | <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 | 12.0 | 9.1 | 10.0 | 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 | 307.0 | 38.2 | 92.3 | 106.0 | 124.0 | 157.0 | 145.0 | 140.0 | 94.0 | 93.0 | 110.0 | 110.0 | 120.0 | 95.5 | 106.0 | 92.0 | 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 | 16.0 | 17.0 | 14.0 | 17.0 | 14.0 | 15.5 | 12.5 | 14.5 | 14.0 | 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 | | | | | |
| 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 | | 337.5 | 52.6 | 123.3 | 143.2 | 150.0 | 179.9 | 166.7 | 164.10 | 123.0 | 116.1 | 137.00 | 131.00 | 147.4 | 116.2 | 129.1 | 114.0 | 108.4 | 73.6 | 77.9 | 74.1 |
| Total Concentration of VOCs | | 337.5 | 52.6 | 123.3 | 143.2 | 150.0 | 179.9 | 166.7 | 164.1 | 123.0 | 116.1 | 137.0 | 131.0 | 147.4 | 116.2 | 129.1 | 114.0 | 108.4 | 73.6 | 77.9 | 74.1 |

# 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 | | <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 | 33.0 | 21.2 | 17.7 | 19.4 | 26.7 | 24.2 | 26.7 | 10.0 | 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 | 70.0 | 83.0 | 74.8 | 87.0 | 1,690 | 1,610 | 1,740 | 1,550 | 1,350 | 912.0 | 990.0 | 787.0 | 824.0 |
| 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 | 13.0 | 17.4 | 20.5 | 23.6 | 22.4 | 15.0 | 113.0 | 90.0 | 79.7 | 96.4 | 111.0 | 60.7 | 98.1 | 76.2 | 150.0 |
| 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 | | | | | | | | | | | | | | | | | | | | | |
| 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 | | 70.1 | 67.9 | 80.6 | 102.7 | 92.0 | 96.5 | 109.2 | 117.2 | 130.8 | 123.9 | 112.0 | 1,865.9 | 1,756.3 | 1,877.2 | 1,719.2 | 1,548.4 | 1,009.4 | 1,187.8 | 915.6 | 1,086.5 |
| Total Concentration of VOCs | | 70.1 | 67.9 | 80.6 | 102.7 | 92.0 | 96.5 | 109.2 | 117.2 | 130.8 | 123.9 | 112.0 | 1,866 | 1,756 | 1,877 | 1,719 | 1,548 | 1,009 | 1,188 | 915.6 | 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 | | <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 | 41.0 | 120.0 | 35.0 | 26.6 | 49.6 | 139.0 | 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 | 899.0 | 947.0 | 759.0 | 688.0 | 641.0 | 473.0 | 460.0 | 399.0 | 458.0 | 236.0 | 416.0 | 410.0 | 287.0 | 330.0 | 482.0 | 393.0 | 269.0 | 223.0 | 185.0 | 211.0 |
| 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 | 139.0 | 71.1 | 62.4 | 66.7 | 53.8 | 29.4 | 34.1 | 33.4 | 179.0 | 36.4 | 135.0 | 81.0 | 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 | | | | | | | | | | | | | | | | | | | | | |
| 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 | | 1,125.2 | 1,066.6 | 854.6 | 791.9 | 727.7 | 517.9 | 518.9 | 456.9 | 712.3 | 326.7 | 607.1 | 536.2 | 440.7 | 404.3 | 558.7 | 482.9 | 443.3 | 276.8 | 233.3 | 281.4 |
| Total Concentration of VOCs | | 1,125 | 1,067 | 854.6 | 791.9 | 727.7 | 517.9 | 518.9 | 456.9 | 712.3 | 326.7 | 607.1 | 536.2 | 440.7 | 404.3 | 558.7 | 482.9 | 443.3 | 276.8 | 233.3 | 281.4 |

# 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 | | <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 | 139.0 | <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 | 271.0 | 286.0 | 169.0 | 211.0 | 164.0 | 158.0 | 192.0 | 165.0 | 115.0 | 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 | 26.0 | <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 | | | | | | | | | | | | | | | | | | | | | |
| 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 | | 347.1 | 406.3 | 241.5 | 279.0 | 230.8 | 219.3 | 235.0 | 191.0 | 254.0 | 56.2 | 57.2 | 97.3 | 79.2 | 64.7 | 62.2 | 65.6 | 98.0 | 69.3 | 72.7 | 56.7 |
| Total Concentration of VOCs | | 347.1 | 406.3 | 241.5 | 279.0 | 230.8 | 219.3 | 235.0 | 191.0 | 254.0 | 56.2 | 57.2 | 97.3 | 79.2 | 64.7 | 62.2 | 65.6 | 98.0 | 69.3 | 72.7 | 56.7 |

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

| Constituent | MCL | SB71B-03-1 (Cont'd) Aug-05 | Aug-05 | 9-13-05* | 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 | | <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 | | | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | 63.2 | 39.8 | 13.7 | 8.5 | 11.6 | | 2.7 | 5.0 | 6.7 | 6.4 | 26.4 | 32.5 | 30.6 | 37.2 | 17.71 | 12.2 | 7.4 | 8.9 | 7.0 | 10.6 |
| Total Concentration of VOCs | | 63.2 | 39.8 | 13.7 | 8.5 | 11.6 | | 2.7 | 5.0 | 6.7 | 6.4 | 26.4 | 32.5 | 30.6 | 37.2 | 17.7 | 12.2 | 7.4 | 8.9 | 7.0 | 10.6 |

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

| Constituent | MCL | 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 | | <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 | 14.0 | 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 | 17.3 | 15.2 | 13.4 | 7.7 | | 4.1 | | 2.5 | 2.6 | 1.3 | 9.9 | 13.22 | 3.0 | 6.8 | | 19.7 | 45.3 | 30.80 |
| Total Concentration of VOCs | | 5.6 | 7.0 | 17.3 | 15.2 | 13.4 | 7.7 | | 4.1 | | 2.5 | 2.6 | 1.3 | 9.9 | 13.2 | 3.0 | 6.8 | | 19.7 | 45.3 | 30.8 |

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

| Constituent | MCL | SB71B-03-2 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Oct-03 | Oct-03 | Oct-03 | Oct-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| n-Butylbenzene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| sec-Butylbenzene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| ter-Butylbenzene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Chlorobenzene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <30 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 | <1 | <1 | <0.5 | <1 | <1 | <1 | <30 | <30 | <30 | <30 | <1 |
| Isopropylbenzene | | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5 | <5 | <0.5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <5 |
| Naphthalene | | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 |
| n-Propylbenzene | | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Toluene | 150 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Bromomethane | 80 | <100 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <100 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Chloroethane | | <300 | <30 | <30 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <300 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <300 | <300 | <300 | <30 |
| Chloroform | 80 | <30 | <3 | <3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <30 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <3 |
| Chloromethane | | <100 | <10 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <10 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | <10 | <1 | <1 | 0.53 | 0.53 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | 5.4 | 17.9 | 15.5 | 12.6 | <10 | <10 | <10 | 12.5 | 12.1 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 904.0 | 451.0 | 399.0 | 300.0 | 290.0 | 270.0 | 260.0 | 210.0 | 297.0 | 312.0 | 198.0 | 190.0 | 152.0 | 248.0 | 242.0 | 240.0 | 245.0 | 289.0 | 358.0 | 175.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Trichloroethene | 5 | 10.4 | 4.8 | 4.5 | 4.8 | 5.0 | 3.9 | 2.6 | 2.9 | <10 | 2.8 | 2.5 | 3.1 | 6.8 | 61.9 | 70.1 | 56.4 | 71.4 | 62.0 | 69.4 | 59.5 |
| Freon-113 | 1200 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Freon-123A | | <10 | <1 | <1 | | | | | | <10 | <1 | <1 | | | | | | | | | |
| Vinyl Chloride | 0.5 | <10 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 914.4 | 455.8 | 403.5 | 305.33 | 295.53 | 273.9 | 262.6 | 212.9 | 297.0 | 314.8 | 200.5 | 198.5 | 176.7 | 325.4 | 324.7 | 296.4 | 316.4 | 351.0 | 439.9 | 246.6 |
| Total Concentration of VOCs | | 914.4 | 455.8 | 403.5 | 305.3 | 295.5 | 273.9 | 262.6 | 212.9 | 297.0 | 314.8 | 200.5 | 198.5 | 176.7 | 325.4 | 324.7 | 296.4 | 316.4 | 351.0 | 439.9 | 246.6 |

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

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-03 | Dec-03* | Jan-04 | Jan-04 | Jan-04 | Jan-04 | Feb-04 | Feb-04 | Feb-04 | Feb-04 | Mar-04 | Mar-04 | Mar-04 | Mar-04 | Mar-04 | Apr-04 | Apr-04 | Apr-04 | May-04 | May-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| n-Butylbenzene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| sec-Butylbenzene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| ter-Butylbenzene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Chlorobenzene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Ethylbenzene | 300 | <1 | <0.5 | <30 | <30 | <150 | <30 | <150 | <150 | <150 | <150 | <100 | <1 | <1 | <500 | <150 | <150 | <150 | <150 | <1 | <150 |
| Isopropylbenzene | | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 |
| p-Isopropyltoluene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <50 | <50 | <250 | <50 | <250 | <250 | <250 | <250 | <500 | <5 | <5 | <2500 | <250 | <250 | <250 | <250 | <5 | <250 |
| Naphthalene | | <2 | <1 | <20 | <20 | <100 | <20 | <100 | <100 | <100 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 |
| n-Propylbenzene | | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Toluene | 150 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Xylenes, total | 1750 | <2 | <1 | <20 | <20 | <100 | <20 | <100 | <100 | <100 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Bromomethane | 80 | <10 | <1 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <1000 | <10 | <10 | <5000 | <100 | <100 | <100 | <100 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Chloroethane | | <30 | <0.5 | <300 | <300 | <1500 | <300 | <1500 | <1500 | <1500 | <1500 | <3000 | <30 | <30 | <15000 | <1500 | <1500 | <1500 | <1500 | <30 | <1500 |
| Chloroform | 80 | <3 | <0.5 | <30 | <30 | <150 | <30 | <150 | <150 | <150 | <150 | <300 | <3 | <3 | <1500 | <150 | <150 | <150 | <150 | <3 | <150 |
| Chloromethane | | <10 | 0.95 | <100 | <100 | <500 | <100 | <500 | <500 | <500 | <500 | <1000 | <10 | <10 | <5000 | <500 | <500 | <500 | <500 | <10 | <500 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 | <100 | <200 | <2 | <2 | <1000 | <100 | <100 | <100 | <100 | <2 | <100 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| cis-1,2-Dichloroethene | 6 | 114.0 | 85.0 | 302.0 | 324.0 | 56.7 | 86.9 | 68.5 | 53.0 | 52.6 | 230.0 | 178.0 | 166.0 | 142.0 | <500 | 106.0 | <50 | <50 | <50 | 154.0 | 123.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | 1.2 | <1 | <500 | <50 | <50 | <50 | <50 | 3.4 | <50 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <20 | <20 | <100 | <20 | <100 | <100 | <100 | <100 | <200 | <2 | <2 | <100 | <100 | <100 | <100 | <100 | <2 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Tetrachloroethene | 5 | 104.0 | 83.0 | 1,070 | 1,000 | 1,870 | 1,810 | 2,570 | 3,440 | 5,620 | 2,900 | 5,180 | 5,480 | 6,240 | 5,600 | 5,780 | 6,550 | 5,810 | 4,480 | 1,820 | 1,800 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Trichloroethene | 5 | 24.2 | 24.0 | 163.0 | 190.0 | 190.0 | 181.0 | 197.0 | 216.0 | 242.0 | 277.0 | 292.0 | 286.0 | 295.0# | <500 | 275.0 | 211.0 | 147.0 | 134.0 | 208.0 | 165.0 |
| Freon-113 | 1200 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | <1 | <1 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <10 | <10 | <50 | <10 | <50 | <50 | <50 | <50 | <100 | 4.6 | 4.2 | <500 | <50 | <50 | <50 | <50 | <1 | <50 |
| Total Halogenated Hydrocarbons | | 242.2 | 192.95 | 1,535.0 | 1,514.0 | 2,116.7 | 2,077.9 | 2,835.5 | 3,709.0 | 5,914.6 | 3,407.0 | 5,650.0 | 5,937.8 | 6,681.2 | 5,600.0 | 6,161.0 | 6,761.0 | 5,957.0 | 4,614.0 | 2,185.4 | 2,088.0 |
| Total Concentration of VOCs | | 242.2 | 192.95 | 1,535 | 1,514 | 2,117 | 2,078 | 2,836 | 3,709 | 5,915 | 3,407 | 5,650 | 5,938 | 6,681 | 5,600 | 6,161 | 6,761 | 5,957 | 4,614 | 2,185 | 2,088 |

# 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) May-04 | May-04* | Jun-04 | Jun-04 | Jun-04 | Jun-04 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| n-Butylbenzene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| sec-Butylbenzene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| ter-Butylbenzene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Chlorobenzene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Ethylbenzene | 300 | <150 | <0.5 | <150 | <150 | <150 | <150 | <1 | <30 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 | <30 | <1 |
| Isopropylbenzene | | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 |
| p-Isopropyltoluene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <250 | <0.5 | <250 | <250 | <250 | <250 | <5 | <50 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <50 | <250 | <50 | <5 |
| Naphthalene | | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 |
| n-Propylbenzene | | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Toluene | 150 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Xylenes, total | 1750 | <100 | <1 | <100 | <100 | <100 | <100 | <2 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Bromomethane | 80 | <100 | <1 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 |
| Carbon Tetrachloride | 0.5 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Chloroethane | | <1500 | <0.5 | <1500 | <1500 | <1500 | <1500 | <30 | <300 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <1500 | <300 | <1500 | <300 | <30 |
| Chloroform | 80 | <150 | <0.5 | <150 | <150 | <150 | <150 | <3 | <30 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <150 | <30 | <150 | <30 | <3 |
| Chloromethane | | <500 | <0.5 | <500 | <500 | <500 | <500 | <10 | <100 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <100 | <500 | <100 | <10 |
| 1,1-Dichloroethane | 5 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | 134.0 | 47.0 | 102.0 | 67.5 | <50 | 54.7 | 65.4 | 26.0 | 65.7 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | 56.4 |
| trans-1,2-Dichloroethene | 10 | <50 | 1.2 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| 1,2-Dichloropropane | 5 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Methylene Chloride | 5 | <50 | <10 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <0.5 | <100 | <100 | <100 | <100 | <2 | <20 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <20 | <100 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Tetrachloroethene | 5 | 1,570 | 150.0 | 1,730 | 2,410 | 2,850 | 1,760 | 1,680 | 1,720 | 1,040 | 2,930 | 2,840 | 2,720 | 1,180 | 2,560 | 2,660 | 2,800 | 2,010 | 1,610 | 1,120 | 790.0 |
| 1,1,1-Trichloroethane | 200 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Trichloroethene | 5 | 170.0 | 62.0 | 148.0 | 120.0 | 69.0 | 97.3 | 122.0 | 59.3 | 130.0 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 31.9 | <50 | 30.2 | 45.9 |
| Freon-113 | 1200 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | <1 |
| Freon-123A | | | | | | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | <50 | <0.5 | <50 | <50 | <50 | <50 | <1 | <10 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <10 | <50 | <10 | 1.2 |
| Total Halogenated Hydrocarbons | | 1,874.0 | 260.2 | 1,980.0 | 2,597.5 | 2,919.0 | 1,912.0 | 1,867.4 | 1,805.3 | 1,235.7 | 2,930.0 | 2,840.0 | 2,720.0 | 1,180.0 | 2,560.0 | 2,660.0 | 2,800.0 | 2,041.9 | 1,610.0 | 1,150.2 | 893.5 |
| Total Concentration of VOCs | | 1,874 | 260.2 | 1,980 | 2,598 | 2,919 | 1,912 | 1,867 | 1,805 | 1,236 | 2,930 | 2,840 | 2,720 | 1,180 | 2,560 | 2,660 | 2,800 | 2,042 | 1,610 | 1,150 | 893.5 |

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

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-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 | Dec-05* | Jan-06 | Jan-06 | Feb-06 | Feb-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <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 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroethane | | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| Chloromethane | | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <10 | <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 | <20 | <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 | <10 | <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 | 162.0 | 142.0 | 169.0 | 65.3 | 41.3 | 40.9 | 37.3 | 39.3 | 56.0 | 24.9 | 29.0 | 16.8 | 15.6 | 18.0 | 12.1 | 6.0 | 36.4 | 32.4 | 49.7 | 36.5 |
| trans-1,2-Dichloroethene | 10 | <10 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 471.0 | 324.0 | 297.0 | 197.0 | 235.0 | 172.0 | 249.0 | 244.0 | 78.0 | 140.0 | 124.0 | 108.0 | 111.0 | 95.0 | 86.1 | 97.0 | 59.4 | 61.1 | 72.3 | 48.1 |
| 1,1,1-Trichloroethane | 200 | <10 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 31.7 | 23.3 | 10.5 | 7.0 | 11.3 | 26.2 | 19.8 | 17.1 | 6.4 | 5.0 | 11.3 | 9.3 | 8.9 | 10.4 | 8.7 | 9.7 | 9.9 | 11.2 | 5.8 | 15.6 |
| Freon-113 | 1200 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | | | | | | | <0.5 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <1 | 7.2 | 4.8 | 1.1 | 4.0 | <1 | <1 | 16.0 | <1 | 2.0 | <1 | <1 | 1.3 | <1 | <0.5 | 8.6 | 7.3 | 8.1 | 6.5 |
| Total Halogenated Hydrocarbons | | 664.7 | 489.3 | 483.7 | 274.1 | 288.7 | 243.1 | 306.1 | 300.4 | 156.40 | 169.9 | 166.3 | 134.1 | 135.5 | 124.7 | 106.9 | 112.7 | 114.3 | 112.0 | 135.9 | 106.7 |
| Total Concentration of VOCs | | 664.7 | 489.3 | 483.7 | 274.1 | 288.7 | 243.1 | 306.1 | 300.4 | 156.4 | 169.9 | 166.3 | 134.1 | 135.5 | 124.7 | 106.9 | 112.7 | 114.3 | 112.0 | 135.9 | 106.7 |

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

| Constituent | MCL | SB71B-03-2 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-06* | Mar-06 | Apr-06 | Apr-06 | Apr-06 | May-06 | May-06 | 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* |
| **Aromatic or 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 | <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 | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromomethane | 80 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | 0.6 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 |
| Chloromethane | | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 41.0 | 31.5 | 268.0 | 37.4 | 125.0 | 46.6 | 31.8 | 74.8 | 19.8 | 23.6 | 17.8 | 37.2 | 48.0 | 15.2 | 15.5 | 10.9 | 8.9 | 6.8 | 4.8 | 10.8 | 7.7 |
| 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 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 35.0 | 27.2 | 61.1 | 11.3 | 20.3 | 12.4 | 8.7 | 6.9 | 7.9 | 13.2 | 10.9 | 5.6 | 6.6 | 12.3 | 5.2 | 14.0 | 4.5 | 9.3 | 16.6 | 6.0 | 4.2 |
| 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 | <1 | <1 | <0.5 |
| 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 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 29.0 | 24.5 | 23.7 | 34.7 | 18.5 | 17.1 | 11.5 | 2.4 | 10.9 | 8.5 | 6.6 | 1.4 | 3.0 | 3.0 | 3.1 | 5.9 | 4.0 | 4.7 | 4.4 | 3.7 | 2.1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | |
| Vinyl Chloride | 0.5 | 16.0 | 10.0 | 12.9 | 16.3 | 9.6 | 7.4 | 7.1 | 4.3 | 4.3 | <1 | 1.6 | 1.3 | 1.7 | <1 | 4.1 | <1 | 2.9 | <1 | <1 | 2.5 | 2.2 |
| Total Halogenated Hydrocarbons | | 122.7 | 93.2 | 365.7 | 99.7 | 173.4 | 83.5 | 59.1 | 88.4 | 42.9 | 45.3 | 36.9 | 45.5 | 59.3 | 30.5 | 27.9 | 30.8 | 20.3 | 20.8 | 25.8 | 23.0 | 16.20 |
| Total Concentration of VOCs | | 122.7 | 93.2 | 365.7 | 99.7 | 173.4 | 83.5 | 59.1 | 88.4 | 42.9 | 45.3 | 36.9 | 45.5 | 59.3 | 30.5 | 27.9 | 30.8 | 20.3 | 20.8 | 25.8 | 23.0 | 16.2 |

# 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 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07* | Apr-04 | Sep-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 | Jan-05 | Feb-05 | Mar-05 | Apr-05 | Apr-05 | May-05 | Jun-05 | Jun-05 | Jul-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <30 | <1 | <30 | <30 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <50 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <300 | <30 | <300 | <300 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <30 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <100 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 6.1 | 5.5 | 7.1 | 6.9 | 5.0 | 12 | 27.1 | 46.0 | 42.3 | 33.1 | 33.0 | 27.0 | 26.7 | 34.0 | 33.3 | 36.7 | 33.2 | 31.5 | 31.9 | 30.0 | 28.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.3 | 3.0 | 1.8 | 2.3 | 1.4 | 2.4 | 1,000 | 448.0 | 378.0 | 195.0 | 313.0 | 233.0 | 142.0 | 180.0 | 95.0 | 66.7 | 51.6 | 45.6 | 35.1 | 36.5 | 28.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.4 | 1.7 | 2.0 | 2.1 | <1 | 8.8 | 65.8 | 170.0 | 115.0 | 75.9 | 75.3 | 67.0 | 44.0 | 33.6 | 22.7 | 25.4 | 21.3 | 22.9 | 19.0 | 20.7 | 25.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5 | 2.2 | 2.7 | 2.5 | 1.9 | 1.9 | 5 | 2.3 | 5.3 | 1.5 | <10 | 2.5 | <10 | <10 | 1.6 | 3.7 | 2.4 | 1.9 | <1 | 1.5 | 3.0 | 3.3 |
| Total Halogenated Hydrocarbons | | 14.0 | 12.9 | 13.4 | 13.2 | 8.3 | 28.20 | 1,095.2 | 669.3 | 536.8 | 304.0 | 423.8 | 327.0 | 212.7 | 249.2 | 154.7 | 131.2 | 108.0 | 100.0 | 87.5 | 90.2 | 85.4 |
| Total Concentration of VOCs | | 14.0 | 12.9 | 13.4 | 13.2 | 8.3 | 28.2 | 1,095 | 669.3 | 536.8 | 304.0 | 423.8 | 327.0 | 212.7 | 249.2 | 154.7 | 131.2 | 108.0 | 100.0 | 87.5 | 90.2 | 85.4 |

# 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-05 | Aug-05 | Aug-05* | Sep-05 | Oct-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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <0.5 | <1 | <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 | <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 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <2 | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 31.1 | 42.2 | 23.0 | 21.5 | 25.0 | 17.4 | 12.3 | 16.7 | 17.7 | 18.6 | 17.0 | 9.9 | 11.7 | 10.5 | 10.3 | 11.0 | 12.5 | 9.8 | 8.7 | 8.5 | 6.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 25.7 | 19.1 | 37.0 | 28.8 | 27.0 | 26.0 | 32.9 | 28.9 | 29.7 | 19.9 | 23.0 | 37.7 | 41.0 | 33.8 | 33.2 | 34.0 | 28.6 | 34.1 | 17.6 | 29.0 | 24.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 29.4 | 31.8 | 42.0 | 31.8 | 33.3 | 27.7 | 25.3 | 28.6 | 28.2 | 26.0 | 29.0 | 13.6 | 17.6 | 18.6 | 17.0 | 15.0 | 14.2 | 15.5 | 13.9 | 15.2 | 12.0 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | | <0.5 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 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 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 89.4 | 96.1 | 104.30 | 85.1 | 88.8 | 73.0 | 70.5 | 77.2 | 78.4 | 66.9 | 71.6 | 62.4 | 72.0 | 62.9 | 60.5 | 61.5 | 57.2 | 59.4 | 40.2 | 52.7 | 43.4 |
| Total Concentration of VOCs | | 89.4 | 96.1 | 104.3 | 85.1 | 88.8 | 73.0 | 70.5 | 77.2 | 78.4 | 66.9 | 71.6 | 62.4 | 72.0 | 62.9 | 60.5 | 61.5 | 57.2 | 59.4 | 40.2 | 52.7 | 43.4 |

# 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 | 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 | Aug-07 | Sep-07* | Apr-98 | Jun-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 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 |
| 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 | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | 1.9 |
| 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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | 1.9 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Bromomethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <1 | <4 | <4 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <1 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 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 | 13.0 | 9.6 | 11.3 | 9.3 | 9.9 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <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 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | 19.8 | 20.0 | 18.9 | 18.9 | 18.2 | 15.0 | 15.8 | 11.8 | 12.9 | 12.8 | 16.2 | 14.2 | 24.0 | 30.1 | 23.3 | 17.5 | 30.8 | 23.0 | 29.0 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 10.1 | 11.0 | 10.5 | 11.5 | 12.2 | 12.0 | 14.7 | 12.2 | 14.3 | 12.8 | 14.6 | 11.2 | 10 | 12.6 | 11.7 | 9.1 | 13.3 | 13.9 | 15 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 36.0 | 37.5 | 35.2 | 36.1 | 36.1 | 34.2 | 40.8 | 32.7 | 37.4 | 34.4 | 43.1 | 35.3 | 49.00 | 54.3 | 48.0 | 36.2 | 55.4 | 46.2 | 53.90 | | |
| Total Concentration of VOCs | | 36.0 | 37.5 | 35.2 | 36.1 | 36.1 | 34.2 | 40.8 | 32.7 | 37.4 | 34.4 | 43.1 | 35.3 | 49.0 | 54.3 | 48.0 | 36.2 | 55.4 | 46.2 | 53.9 | | 1.9 |

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

| Constituent | MCL | SB71H-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-98 | Dec-98 | Mar-99 | Oct-99 | Mar-00 | 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* |
| **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 | <0.5 |
| 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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| 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 | <5 | <0.5 | <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 | |
| 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 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 |
| 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 | <0.5 |
| Bromomethane | 80 | <4 | <4 | <4 | <4 | <4 | <4 | <4 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 |
| 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 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 |
| Chloroform | 80 | <1 | <1 | <1 | 1.4 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 |
| Chloromethane | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <0.5 |
| 1,1-Dichloroethane | 5 | 1.7 | 2.7 | 3.0 | 3.4 | 3.8 | 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 |
| 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 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 1.5 | 1.4 | 2.0 | 1.2 | 2.1 | 1.1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | 1.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 1.2 | <1 | 2.0 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | 0.86 |
| 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 | <0.5 |
| 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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | .<0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 9.0 | 29.2 | 1.4 | 3.6 | <1 | <1 | <0.5 | <1 | <1 | .<0.5 |
| 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 | <0.5 |
| 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 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | 1.1 | <1 | <1 | 1.3 | <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 | <0.5 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 1.7 | 2.7 | 6.8 | 6.2 | 7.8 | 5.6 | 6.4 | 4.0 | 2.8 | 5.2 | 13.1 | 31.6 | 4.3 | 6.4 | 2.0 | 2.4 | 5.1 | 1.6 | 1.9 | 4.26 |
| Total Concentration of VOCs | | 1.7 | 2.7 | 6.8 | 6.2 | 7.8 | 5.6 | 6.4 | 4.0 | 2.8 | 5.2 | 13.1 | 31.6 | 4.3 | 6.4 | 2.0 | 2.4 | 5.1 | 1.6 | 1.9 | 4.3 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC 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
# indicated QA/QC problems

# Table 5-3
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW51-07-1 | | | | EW51-07-2 | | | | EW51A-06-1 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-07 | Jul-07 | Aug-07 | Sep-07 | May-07* | Jul-07 | Aug-07 | Sep-07 | Jan-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 | <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 |
| Chlorobenzene | | <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 |
| 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 |
| 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 | 80.2 | 17.1 | 10.7 | 18.7 | 15.8 | 43.2 | 6.8 | 12.6 |
| 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 | 13.7 | 5.2 | <3 | 7.3 | 6.0 | 9.2 | <3 | 3.8 |
| 1,1-Dichloroethane | 5 | 2.5 | 6.6 | 6.4 | 8.1 | <1 | 1.0 | 1.5 | 1.4 | 5.8 | 1.7 | 1.1 | 1.8 | 1.8 | 1.9 | <1 | 1.0 |
| 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 | 2.8 | 5.2 | 5.6 | 6.8 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 20.7 | 84.8 | 90.0 | 110.0 | <1 | <1 | <1 | <1 | 235.0 | 66.8 | 38.6 | 72.1 | 64.4 | 72.9 | 27.8 | 32.2 |
| trans-1,2-Dichloroethene | 10 | <1 | 3.4 | 4.3 | 6.5 | <1 | <1 | <1 | <1 | 2.6 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <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 | 1.8 | <1 | <1 | <1 | 5.4 | <1 | <1 | <1 | 43.3 | 13.4 | 7.3 | 13.5 | 11.9 | 24.8 | 5.1 | 8.7 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 9.6 | 3.0 | 1.6 | 2.5 | 2.7 | 3.3 | 1.2 | 1.8 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 24.2 | 89.8 | 105.0 | 143.0 | 7.2 | 2.7 | 3.3 | 2.6 | 1900.0 | 765.0 | 377.0 | 750.0 | 650.0 | 1030.0 | 254.0 | 419.0 |
| Freon-113 | 1200 | <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 | 1.3 | <1 | <1 | <1 | <1 | 10.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 52.0 | 189.8 | 211.3 | 275.7 | 12.6 | 3.7 | 4.8 | 4.0 | 2,302.2 | 872.2 | 436.3 | 865.9 | 752.6 | 1,185.3 | 294.9 | 479.1 |
| Total Concentration of VOCs | | 52.0 | 189.8 | 211.3 | 275.7 | 12.6 | 3.7 | 4.8 | 4.0 | 2,302 | 872.2 | 436.3 | 865.9 | 752.6 | 1,185 | 294.9 | 479.1 |

# Table 5-3 ( Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW51L-06-1 | | | | | | | | EW64-00-1 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 | <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 | | <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 |
| 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 |
| 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 | 1.0 | <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 | 2.4 | 1.9 | 1.7 | 1.6 | 1.6 | 2.6 | 2.3 | 3.1 | 7.5 | 14.4 | 5.7 | 4.8 | 9.5 | 3.1 | 4.3 | 5.5 |
| 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 | 3.1 | <1 | <1 | 1.3 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 37.5 | 11.9 | 7.3 | 10.4 | 8.3 | 11.9 | 9.7 | 12.0 | <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 | 2.4 | 4.1 | 1.4 | 1.3 | 2.2 | 1.3 | 1.4 | 1.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | <1 | <1 | 1.2 | <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 | 33.0 | 11.3 | 6.2 | 21.3 | 10.3 | 12.4 | 10.0 | 11.4 | 2.2 | 4.5 | 1.8 | 1.6 | 3.0 | 1.2 | 1.7 | 2.0 |
| Freon-113 | 1200 | <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 | 1.9 | <1 | <1 | <1 | <1 | 1.1 | 2.0 | 4.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 75.8 | 25.1 | 15.2 | 33.3 | 20.2 | 28.0 | 24.0 | 31.3 | 12.1 | 28.5 | 8.9 | 7.7 | 17.2 | 5.6 | 7.4 | 9.0 |
| Total Concentration of VOCs | | 75.8 | 25.1 | 15.2 | 33.3 | 20.2 | 28.0 | 24.0 | 31.3 | 12.1 | 28.5 | 8.9 | 7.7 | 17.2 | 5.6 | 7.4 | 9.0 |

# Table 5-3 ( Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW64-00-1 (Cont'd) | | | | EW64-03-1 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 | <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 |
| Chlorobenzene | | <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 |
| 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 |
| 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 | 4.8 | 27.5 | 22.7 | 14.3 | 30.8 | 15.3 | 24.9 | 19.8 | 22.0 | 40.3 | 43.0 | 37.3 | 44.1 | 14.4 | 27.2 | 47.6 |
| 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 | 4.3 | 3.6 | 2.5 | <1 | <1 | <1 | <1 | <1 | 1.6 | 1.9 | <1 | <1 | <1 | <1 | 1.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | 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 | 4.6 | 4.6 | 3.2 | <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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.5 | 7.0 | 6.8 | 5.2 | 3.8 | 2.8 | 3.5 | 3.1 | 2.9 | 5.5 | 6.4 | 5.1 | 5.9 | 2.6 | 3.9 | 7.6 |
| Freon-113 | 1200 | <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 |
| Total Halogenated Hydrocarbons | | 6.3 | 44.5 | 37.7 | 25.2 | 34.6 | 18.1 | 28.4 | 22.9 | 24.9 | 47.4 | 51.3 | 42.4 | 51.1 | 17.0 | 31.1 | 58.3 |
| Total Concentration of VOCs | | 6.3 | 44.5 | 37.7 | 25.2 | 34.6 | 18.1 | 28.4 | 22.9 | 24.9 | 47.4 | 51.3 | 42.4 | 51.1 | 17.0 | 31.1 | 58.3 |

# Table 5-3 ( Cont'd)
## Bevalac Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW64-05-1 | | | | | | | | | | | | EW64-06-1 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-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 |
| 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 | | <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 |
| 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 |
| 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 | 1.2 | <1 | <1 | <1 | <1 | <1 | 1.5 | 2.9 | 2.2 | 2.2 | 1.5 | 1.4 |
| 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 | 1.8 | 1.2 | <1 | 1.5 | <1 | <1 | <1 | <1 | 1.7 | 1.9 | 2.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 19.7 | 5.2 | 6.2 | 11.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | 2.6 | 1.5 | 1.2 |
| 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 | 1.9 | 3.0 | 2.3 | 2.0 | 2.6 | 2.4 | 1.3 | 1.7 | 1.8 | 2.9 | 3.5 | 5.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.5 | 4.7 | 3.1 | 3.1 | 3.7 | 3.5 | 1.7 | 2.9 | 2.8 | 8.4 | 9.4 | 6.6 | 7.1 | 2.0 | 3.7 | 5.0 |
| Freon-113 | 1200 | <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 | 2.1 | 5.7 | 3.5 | 1.8 |
| Total Halogenated Hydrocarbons | | 4.4 | 10.6 | 6.6 | 5.1 | 9.0 | 5.9 | 3.0 | 4.6 | 4.6 | 13.0 | 16.3 | 17.1 | 33.7 | 17.7 | 16.4 | 20.9 |
| Total Concentration of VOCs | | 4.4 | 10.6 | 6.6 | 5.1 | 9.0 | 5.9 | 3.0 | 4.6 | 4.6 | 13.0 | 16.3 | 17.1 | 33.7 | 17.7 | 16.4 | 20.9 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted

< = Less than Quantitation Limit
˚ indicates that the sample was predevelopment.

# Table 5-4
## Bevalac Area Sampling Results from Other Locations
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(Concentrations in µg/L)**

| Constituent | MCL | SI3-63 Oct-06 |
|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | |
| Benzene | 1 | <1 |
| n-Butylbenzene | | <1 |
| sec-Butylbenzene | | <1 |
| ter-Butylbenzene | | <1 |
| Chlorobenzene | | <1 |
| Ethylbenzene | 300 | <1 |
| Isopropylbenzene | | <2 |
| p-Isopropyltoluene | | <1 |
| Methyl tert-Butyl Ether | 13 | <5 |
| Naphthalene | | <2 |
| n-Propylbenzene | | <1 |
| Toluene | 150 | <1 |
| Xylenes, total | 1750 | <2 |
| Total Aromatic Hydrocarbons | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | |
| Bromodichloromethane | 80 | <1 |
| Bromoform | 80 | <2 |
| Carbon Tetrachloride | 0.5 | <1 |
| Chloromethane | | <10 |
| Chloroform | 80 | <3 |
| 1,1-Dichloroethane | 5 | 1.5 |
| 1,2-Dichloroethane | 0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 |
| 1,2-Dichloropropane | 5 | <1 |
| Methylene Chloride | 5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 |
| Tetrachloroethene | 5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 |
| Trichloroethene | 5 | 2.4 |
| Freon-113 | 1200 | <1 |
| Freon-123A | | <1 |
| Vinyl Chloride | 0.5 | <1 |
| Total Halogenated Hydrocarbons | | 3.9 |
| Total Concentration of VOCs | | 3.9 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
Analysis by LBNL EML
< = Less than Quantitation Limit

# Table 6-1
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 5-93-10 (well is on annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | 24.0 | 31.9 | 24.1 | 16.7 | 26.0 | 18.0 | 11.0 | 15.2 | 28.2 | 37.8 | 24.2 | 19.0 | 20.0 | 19.0 | 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 | 34.0 | 26.8 | 13.9 | 20.2 | 18.0 | 12.0 | 11.0 | 28.8 | 38.6 | 17.3 | 18.2 | 18.9 | 31.0 | 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 | | 49.0 | 63.0 | 64.2 | 39.6 | 38.3 | 47.2 | 32.4 | 23.9 | 53.6 | 73.7 | 57.2 | 48.0 | 40.6 | 55.0 | 38.8 | 43.9 | 40.1 | 30.5 | 26.4 | 38.1 |
| Total Concentration of VOCs | | 49.0 | 63.0 | 64.2 | 39.6 | 38.3 | 47.2 | 32.4 | 23.9 | 53.6 | 73.7 | 57.2 | 48.0 | 40.6 | 55.0 | 38.8 | 43.9 | 40.1 | 30.5 | 26.4 | 38.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 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 | | 26.9 | 30.7 | 25.9 | 38.0 | 26.5 | 30.5 | 19.1 | 10.4 | 2.1 | 2.5 | 2.7 | 2.4 | 2.9 | 2.5 | 3.5 | 1.7 | 3.5 | 2.0 | 4.4 | 2.3 |
| Total Concentration of VOCs | | 26.9 | 30.7 | 25.9 | 38.0 | 26.5 | 30.5 | 19.1 | 10.4 | 2.1 | 2.5 | 2.7 | 2.4 | 2.9 | 2.5 | 3.5 | 1.7 | 3.5 | 2.0 | 4.4 | 2.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 5-93-10 (cont'd) | | | | | | | | | | | 6-92-17 (well is on annual sampling) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-06* | Jan-07 | Feb-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | (D) | Aug-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 2.4 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 7.7 | 6.2 | 6.6 | 5.1 | 4.7 | 6.9 | 6.5 | 7.6 | 3.6 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.3 | 1.7 | 1.2 | <1 | 1.3 | <1 | 1.0 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <10 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 2.4 | 2.5 | 1.4 | <1 | 3.3 | 2.1 | 2.3 | 2.6 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.1 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | 29.0 | 29.7 | 32.8 | 26.6 | 25.2 | 32.0 | 21.0 | 24.3 | 34.7 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | 9.3 | 3.3 | 4.1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | 36.7 | 40.7 | 45.1 | 34.3 | 29.9 | 52.8 | 32.9 | 39.3 | 40.9 |
| 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 | 36.7 | 40.7 | 45.1 | 34.3 | 29.9 | 52.8 | 32.9 | 39.3 | 40.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-92-17 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-94* | Feb-95* | Jun-95* | Aug-95 | Nov-95 | Mar-96 | (D)* | Jun-96 | Aug-96 | Dec-96* | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <0.5 | <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 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 7.1 | 7.3 | 6.8 | 8.5 | 7.1 | 15.7 | 7.5 | 9.4 | 8.0 | 7.7 | 11.4 | 7.8 | 3.6 | 6.1 | 5.6 | 7.8 | 7.7 | 8.5 | 8.7 | 7.0 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 0.66 | 0.86 | 0.82 | 1.2 | <1 | <1 | <0.5 | <1 | <1 | 0.52 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <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 | | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.5 | 1.9 | 1.4 | 1.3 | 3.0 | <1 | 0.93 | 1.1 | <1 | 1.7 | 1.2 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | 0.51 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 30.0 | 27.0 | 24.0 | 28.4 | 24.9 | 22.2 | 24.0 | 18.0 | 17.1 | 21.0 | 24.4 | 20.7 | 9.7 | 15.3 | 14.5 | 15.9 | 14.0 | 16.8 | 18.0 | 17.0 |
| Freon-113 | 1200 | <0.5 | 0.54• | <0.5 | <5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 39.3 | 37.6 | 33.5 | 39.4 | 35.0 | 37.9 | 32.4 | 28.5 | 25.1 | 30.9 | 37.0 | 29.5 | 13.3 | 21.4 | 20.1 | 23.7 | 21.7 | 25.3 | 26.7 | 24.0 |
| Total Concentration of VOCs | | 39.3 | 37.6 | 33.5 | 39.4 | 35.0 | 37.9 | 32.4 | 28.5 | 25.1 | 30.9 | 37.0 | 29.5 | 13.3 | 21.4 | 20.1 | 23.7 | 21.7 | 25.3 | 26.7 | 24.0 |

# 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 (semi-annual sampling) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-02 | Sep-02 | Aug-03* | Jul-04 | Aug-05 | Jan-06 | Jul-06 | Oct-06 | Aug-07 | Oct-93 | (D)* | Mar-94 | (D)* | Jun-94 | Aug-94 | Sep-94 | Dec-94* | (D)* | Feb-95* | May-95* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 1.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.9 | 3.5 | 1.7 | 1.9 | 4.6 | <1 | 3.6 | 3.6 | 2.2 | 2.5 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.55 | 0.58 | <0.5 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | 0.75 | 0.55 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.9 | <1 | <0.5 | <1 | 1.1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1.0 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | 1.5 | | | | | | | | | | 1.8 | 3.5 | 1.7 | 1.9 | 5.7 | | 4.9 | 4.73 | 2.2 | 2.5 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | 6.1 | 7.2 | 5.0 | 6.7 | 5.8 | 3.8 | 3.7 | <3 | 4.1 | 1.8 | 2.9 | <1 | <0.5 | 1.7 | <1 | <1 | 0.69 | 0.68 | <0.5 | 0.96 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.7 | 4.9 | 0.8 | <1 | <1 | <1 | 0.94 | 0.92 | <0.5 | 0.76 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 4.1 | 3.7 | 5.9 | 1.5 | 3.3 | 1.7 | <1 | 2.5 | 2.3 | 1.0 | 2.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 1.8 | 5.2 | 1.9 | 2.6 | 2.6 | <1 | 3.0 | 2.9 | 2.0 | 1.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <1 | <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-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | 0.54 | <1 | <1 | <1 | <1 | <1 | <1 | 10.3 | 11.0 | 11.0 | 5.2 | 9.2 | 7.9 | <1 | 5.7 | 5.9 | 2.9 | 13.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | 14.2 | 19.8 | 12.0 | 15.2 | 9.6 | 12.1 | 10.7 | 9.2 | 8.4 | 21.4 | 23.0 | 17.9 | 11.0 | 18.8 | 13.5 | 1.5 | 14.0 | 14.0 | 6.1 | 16.0 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | <1 | <1 | <0.5 | <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 | 4.2 | 2.4 | 13.7 | 4.9 | 3.3 | 1.8 | <1 | 7.0 | 6.9 | 6.9 | 2.4 |
| Total Halogenated Hydrocarbons | | 20.3 | 27.0 | 17.54 | 21.9 | 15.4 | 15.9 | 14.4 | 9.2 | 12.5 | 43.6 | 45.5 | 58.6 | 25.3 | 38.9 | 27.5 | 1.5 | 33.8 | 33.6 | 18.9 | 37.3 |
| Total Concentration of VOCs | | 21.8 | 27.0 | 17.5 | 21.9 | 15.4 | 15.9 | 14.4 | 9.2 | 12.5 | 43.6 | 47.3 | 62.1 | 27.0 | 40.8 | 33.2 | 1.5 | 38.7 | 38.3 | 21.1 | 39.8 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-93-4 (Cont'd) 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 | Feb-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 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | 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 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <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 | | <1 | <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 | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <2 | <2 | <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 | | 3.1 | 2.9 | 3.5 | | | 2.0 | | 4.1 | 3.8 | | 3.2 | | 3.7 | 1.0 | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | <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 | <3 | <3 | <3 | <3 | 10.6 | <3 |
| 1,1-Dichloroethane | 5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | 21.6 | 1.4 | 6.8 | <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 | 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 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 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 | 1.2 | <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 | 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 | 1.9 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 8.4 | <1 | <1 | 12.9 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 15.0 | 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 | 5.1 | <1 |
| Freon-113 | 1200 | <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 | <1 | <1 |
| Vinyl Chloride | 0.5 | 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 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 45.5 | 48.2 | 34.7 | 28.6 | 76.1 | 20.0 | 12.4 | 21.4 | 11.9 | 6.9 | 10.8 | 14.1 | 5.4 | 123.4 | 5.6 | 31.8 | 15.4 | 10.1 | 21.6 | |
| Total Concentration of VOCs | | 48.6 | 51.1 | 38.2 | 28.6 | 76.1 | 22.0 | 12.4 | 25.5 | 15.7 | 6.9 | 14.0 | 14.1 | 9.1 | 124.4 | 5.6 | 31.8 | 15.4 | 10.1 | 21.6 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 6-93-4 (Cont'd) | | | | | | | | | 6-95-14 (at treatment system) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Aug-06 | Oct-06 | Aug-07 | Sep-95 | (S)* | Dec-95 | (D)* | Mar-96 | Jun-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | Apr-97 |
| **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 | <2 | <0.5 | <2 | 2.6 | <2 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 2.5 | 2.0 | <2 | 5.2 | <2 | <1 | 1.2 | 1.3 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | 2.1 | 1.6 | <1 | 2.4 | <1 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | 0.73 | <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 | <1 | 7.0 | <1 | 5.2 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.0 | <2 | <2 | <2 | <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 | 13.2 | 8.3 | 12.9 | 6.7 | <2 | 4.8 | 3.6 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.3 | 1.5 | 1.1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 13.2 | 20.8 | 21.8 | 18.3 | | 15.0 | 3.6 | | 1.2 | 1.3 | |
| **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 | <0.5 | <2 | <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 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 2.8 | 3.3 | <1 | 0.89 | 2.5 | <1 | 5.7 | 7.0 | <1 | <1 | 1.3 |
| 1,1-Dichloroethane | 5 | <1 | 3.8 | <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 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.1 | <1 | <0.5 | <1 | 1.0 | 3.6 | 2.1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 2.0 | <1 | 3.1 | <1 | <1 | 1.2 | <1 | <1 | 1.5 | 1.5 | 1.0 | 0.91 | <1 | 1.9 | 1.4 | 1.3 | <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 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | <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 | <1 | 10.9 | 4.6 | <1 | 5.3 | 5.5 | 12.9 | 7.1 | 2.6 | <1 | 1.3 | 2.1 | 1.7 | 1.2 | <1 | 26.3 | 5.3 | 10.2 | 5.0 | 5.4 |
| 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 | <1 | 10.5 | 3.9 | 2.8 | 4.1 | 2.1 | 4.2 | 2.2 | 1.2 | 8.1 | 8.1 | 4.1 | 4.0 | <1 | 3.9 | 16.3 | 10.9 | 6.2 | 5.6 | 6.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <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 | 5.4 | 6.5 | 5.6 | 9.7 | <1 | 7.6 | <1 | <1 | 3.7 | 8.0 | 5.4 |
| Total Halogenated Hydrocarbons | | | 29.1 | 8.5 | 5.9 | 9.4 | 7.6 | 18.3 | 9.3 | 3.8 | 19.0 | 21.8 | 12.8 | 17.2 | 3.7 | 14.4 | 53.3 | 26.6 | 20.1 | 18.6 | 19.6 |
| Total Concentration of VOCs | | | 29.1 | 8.5 | 5.9 | 9.4 | 7.6 | 18.3 | 9.3 | 3.8 | 32.2 | 42.6 | 34.6 | 35.5 | 3.7 | 29.4 | 56.9 | 26.6 | 21.3 | 19.9 | 19.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-95-14 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | May-01 | Sep-01 | Feb-02 | Apr-02 | May-02 | Jul-02 | Sep-02 |
| **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 | 1.4 | 11.4 | 4.4 | <1 | 12.8 | 15.6 | 20.3 | 12.2 | 13.9 | 10.3 | 16.0 | 15.9 | <3 | 8.1 | 15.7 | 14.4 | 19.8 | 8.8 | 14.9 |
| 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 | <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 | 1.8 | <1 | <1 | 1.2 | 1.1 | 1.7 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.0 | 2.3 | <1 | 1.8 | 1.2 | <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 | 1.9 | 1.1 | 5.2 | 1.4 | <1 | 8.7 | 7.4 | 2.9 | 5.8 | 5.6 | 7.0 | 2.4 | 3.1 | 3.0 | 1.3 | 3.5 | 4.1 | 2.2 | 1.9 | 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 | 4.2 | 4.2 | 15.6 | 8.0 | 3.2 | 13.7 | 11.5 | 17.8 | 10.7 | 9.7 | 9.5 | 10.2 | 10.3 | 3.2 | 7.3 | 8.7 | 9.2 | 9.8 | 4.6 | 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 | <1 | <1 |
| Vinyl Chloride | 0.5 | 3.3 | 2.6 | <1 | 6.3 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 14.5 | 11.6 | 34.0 | 21.9 | 6.1 | 36.4 | 35.6 | 42.7 | 28.7 | 29.2 | 26.8 | 28.6 | 30.4 | 6.2 | 16.7 | 27.9 | 27.7 | 31.8 | 15.3 | 26.0 |
| Total Concentration of VOCs | | 14.5 | 11.6 | 34.0 | 21.9 | 6.1 | 36.4 | 35.6 | 42.7 | 28.7 | 29.2 | 26.8 | 28.6 | 30.4 | 6.2 | 16.7 | 27.9 | 27.7 | 31.8 | 15.3 | 26.0 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 6-95-14 (Cont'd) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-05 | May-05 | Aug-05 | Mar-04 | Aug-04 | Dec-05 | Feb-05 | Apr-05 | Jun-05 | Aug-05 | Aug-05 | Oct-05[T] | Dec-05[T] | May-06[T] | July-06[T] | Aug-06 | Nov-06[T] | Jan-07[T] | Apr-07 | Jul-07 | Aug-07 |
| **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 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <0.5 | <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 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <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 | <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 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <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 | <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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <2 | <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 | <1 | <0.5 | <1 | <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 | <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 | <1 |
| Chloroform | 80 | 13.1 | 15.8 | 23.0 | 17.8 | 26.6 | 26.8 | 18.3 | 4.8 | 14.4 | 22.8 | 24.6 | 25.5 | 22.8 | <3 | 13.5 | 12.3 | 10.3 | 8.1 | 7.0 | 6.8 | 12.6 |
| 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 |
| 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 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 0.56 | <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 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | 2.2 | 5.1 | 2.6 | <1 | 1.6 | 2.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.8 | 4.5 | 3.4 | 2.5 | 3.3 | 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 11.0 | 6.7 | 6.9 | 2.1 | 1.7 | 2.2 | 2.1 | <1 | 2.6 | <1 | 1.7 | 3.1 | 4.8 | 4.4 | 4.0 | 4.6 | 4.8 | 4.7 | 4.4 | 4.0 | 3.0 |
| Freon-113 | 1200 | <1 | <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 | <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 | <1 |
| Total Halogenated Hydrocarbons | | 25.7 | 24.7 | 35.6 | 22.5 | 28.3 | 30.6 | 23.0 | 4.8 | 17.0 | 22.8 | 26.3 | 28.6 | 27.6 | 4.4 | 22.3 | 21.4 | 18.5 | 15.3 | 14.7 | 12.1 | 15.6 |
| Total Concentration of VOCs | | 25.7 | 24.7 | 35.6 | 22.5 | 28.3 | 30.6 | 23.0 | 4.8 | 17.0 | 22.8 | 26.3 | 28.6 | 27.6 | 4.4 | 22.3 | 21.4 | 18.5 | 15.3 | 14.7 | 12.1 | 15.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-16 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | May-95* | Aug-95 | Dec-95 | Mar-96 | (D)* | Aug-96 | Dec-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | 1.7 | 1.8 | <1 | 1.8 | 1.1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| n-Butylbenzene | | 5.5 | 7.1 | <1 | <1 | <1 | 15.2 | <1 | 20,000 | <1 | <1 | 1.0 | <0.5 | <3 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| sec-Butylbenzene | | 12.0 | 12.2 | 6.2 | 6.5 | <1 | <1 | <1 | 6900 | <1 | <1 | 0.74 | 0.63 | 3.0 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| ter-Butylbenzene | | <5 | 4.0 | 9.4 | 11.5 | 7.1 | 16.1 | 4.4 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| Ethylbenzene | 300 | <5 | 2.6 | 4.5 | 4.8 | 1.1 | 1.8 | 3.2 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| Isopropylbenzene | | <5 | 2.2 | 7.9 | 9.8 | 2.2 | 8.4 | 4.5 | <3000 | <1 | <1 | 0.53 | 0.51 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <20 | <20 |
| p-Isopropyltoluene | | 13.2 | 8.7 | 16.1 | <1 | 9.0 | 19.9 | 7.4 | 18,000 | <1 | 12.0 | 0.73 | <0.5 | 4.3 | <0.5 | <1 | <20 | <1 | <0.5 | 66.1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | 62.1 | 25.3 | 56.6 | 60.4 | 22.7 | 91.2 | 33.1 | 46,000 | 1.1 | 14.0 | 4.4 | 2.6 | 26.0 | 0.57 | <1 | <10 | <1 | 2.2 | <20 | <20 |
| n-Propylbenzene | | <5 | 3.7 | 10.5 | 13.8 | 5.8 | 15.3 | 4.7 | 4400 | <1 | <1 | 0.54 | <0.5 | 3.0 | <0.5 | <1 | <20 | <2 | <0.5 | <10 | <10 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | 48.4 | 31.1 | 52.3 | 64.1 | 31.6 | <1 | 30.7 | 25,000 | 1.1 | 40.0 | 2.6 | 1.7 | 18.0 | <0.5 | <1 | <20 | <2 | <0.5 | 133.0 | <10 |
| 1,3,5-Trimethylbenzene | | 18.4 | 7.8 | 26.9 | 20.9 | 9.7 | 21.4 | 10.7 | 9200 | <1 | <1 | 1.3 | 0.82 | 11.0 | <0.5 | <1 | <20 | <2 | <0.5 | 110.0 | <10 |
| Xylenes, total | 1750 | 9.1 | <1 | 4.7 | 1.3 | <1 | 6.3 | 2.5 | <6000 | <1 | <1 | <1 | <1 | <6 | <1 | <1 | <20 | <2 | <1 | <20 | <20 |
| Total Aromatic Hydrocarbons | | 168.7 | 104.7 | 196.8 | 194.9 | 89.2 | 197.4 | 102.3 | 129,500 | 2.2 | 66.0 | 11.84 | 6.26 | 65.3 | 0.57 | | | | 2.2 | 309.1 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <6000 | <2 | <2 | <0.5 | <0.5 | <6 | <0.5 | <2 | <20 | <2 | <0.5 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | 0.58 | <3 | 0.53 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| Chloroform | 80 | 7.9 | 3.0 | 4.2 | 4.7 | 4.5 | 4.5 | 2.9 | <3000 | <1 | <1 | 3.8 | 4.8 | 3.2 | 4.9 | <1 | <10 | 4.1 | 1.9 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <1 | <1 | 3.0 | <1 | <1 | <3000 | <1 | <1 | <0.5 | 0.51 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <5 | <1 | 1.7 | 2.7 | 2.0 | 1.7 | <1 | <3000 | <1 | <1 | 2.6 | 3.7 | <3 | 3.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | 14.9 | 3.1 | 11.8 | 13.4 | 12.5 | 11.0 | 2.6 | <3000 | <1 | <1 | <0.5 | 1.9 | <3 | 1.2 | <1 | <10 | <1 | 0.63 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <1 | <1 | <6 | <1 | <1 | <10 | <1 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <6000 | <2 | <2 | <0.5 | <0.5 | <6 | <0.5 | <2 | <20 | <2 | <0.5 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <1 | <1 | <6 | <1 | <1 | <10 | <1 | <1 | <10 | <10 |
| Tetrachloroethene | 5 | <5 | 2.4 | 1.7 | 1.5 | 1.9 | 32.1 | 1.5 | <3000 | <1 | <1 | 1.3 | 2.3 | <3 | 6.3 | <1 | <10 | 23.0 | 24.0 | <10 | <10 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | 1.3 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| Trichloroethene | 5 | 12.8 | 7.5 | 12.5 | 15.1 | 13.4 | 10.7 | 7.1 | <3000 | <1 | <1 | 15.0 | 20.0 | 8.8 | 21.0 | <1 | <10 | 16.4 | 17.0 | <10 | <10 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | <0.5 | <0.5 | <3 | <0.5 | <5 | <10 | <1 | <0.5 | <10 | <10 |
| Freon-123A | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <3000 | <1 | <1 | | | <3 | | <1 | <10 | <1 | | <10 | <10 |
| Vinyl Chloride | 0.5 | <5 | <1 | 4.7 | 6.8 | 4.9 | <1 | 1.5 | <3000 | <1 | <1 | 1.6 | 1.1 | <3 | 0.78 | <1 | <10 | <1 | <0.5 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 35.6 | 16.0 | 36.6 | 44.2 | 42.2 | 60.0 | 15.6 | | | | 25.6 | 34.9 | 12.0 | 38.2 | | | 43.5 | 43.53 | | |
| Total Concentration of VOCs | | 204.3 | 120.7 | 233.4 | 239.1 | 131.4 | 257.4 | 117.9 | 129,500 | 2.2 | 66.0 | 37.4 | 41.2 | 77.3 | 38.8 | | | 43.5 | 45.7 | 309.1 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-16 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | May-01 | Aug-01 | Nov-01 | Jan-02 | May-02 | Jul-02 | Sep-02 |
| **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 | 5.4 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 9.4 | <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 | 1.4 | 11.5 | <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 | 5.5 | 38.6 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | <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 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 9.4 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | 1.2 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | 8.7 | <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 | | 3.4 | | | | | | | | | | | | 9.1 | 85.7 | | | |
| **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 | 3.0 | 3.9 | 4.5 | 5.1 | 9.4 | 6.9 | 8.9 | 16.7 | 13.7 | 7.6 | 8.6 | 13.6 | 12.4 | 10.2 | 10.4 | 10.5 | 9.5 | 13.5 | 10.0 | 13.1 |
| 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 |
| 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 | 7.0 | 46.1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 23.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.5 | <1 | <1 | <1 | 2.7 | 1.3 | 1.6 | <1 | 1.2 | <1 | <1 | 1.2 |
| 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 | 4.1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 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 | 4.5 | 6.7 | 5.8 | 5.2 | 7.5 | 6.1 | 9.9 |
| 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 | <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 | | 7.1 | 38.7 | 9.1 | 9.9 | 18.7 | 13.4 | 15.2 | 25.0 | 28.0 | 7.6 | 14.1 | 22.5 | 22.0 | 16.0 | 18.7 | 23.3 | 66.1 | 21.0 | 16.1 | 24.2 |
| Total Concentration of VOCs | | 7.1 | 39.9 | 9.1 | 13.3 | 18.7 | 13.4 | 15.2 | 25.0 | 28.0 | 7.6 | 14.1 | 22.5 | 22.0 | 16.0 | 18.7 | 32.4 | 151.8 | 21.0 | 16.1 | 24.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-92-16 (Cont'd) | | | | | | | | | | 7-92-19 (well is on semi-annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Feb-06 | Oct-06 | Sep-07* | Dec-92 | Feb-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | (D)* | Jun-94 | Aug-94 | Sep-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 2.8 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | 2.6 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 2.6 | | | | | | 2.8 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 9.7 | 17.5 | 5.0 | 3.8 | 8.1 | 2.4 | <10 | <1 | 3.6 | 2.0 |
| Chloroform | 80 | 14.3 | 19.0 | 14.1 | 25.7 | 14.4 | 18.3 | 18.1 | 16.7 | 10.0 | 11.0 | 13.0 | 4.1 | 3.4 | 2.8 | 4.1 | 2.0 | <10 | <1 | 1.3 | 1.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 13.9 | 9.9 | 17.2 | 11.7 | 7.1 | 13.1 | <10 | 7.5 | 4.4 | 2.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 27.6 | 12.8 | 18.9 | 10.3 | 10.0 | 10.9 | 10.0 | 4.2 | 4.9 | 2.8 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 162.3 | 295.0 | 342.9 | 281.0 | 234.9 | 304.0 | 340 | 190.7 | 198.9 | 122.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 16.9 | 8.6 | 11.0 | 3.4 | 7.0 | 6.0 | <10 | 4.1 | 5.9 | 3.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | 539.9 | 1217 | 782.8 | 743.5 | 864.9 | 1,123 | 1,000 | 444.5 | 1,005 | 405.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | 1.2 | 1.7 | 1.2 | 1.0 | 1.4 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.6 | 3.0 | <1 | <1 | <1 | <1 | 2.1 | 1.6 | 4.3 | 4.6 | 309.4 | 469.9 | 298.6 | 278.3 | 350.8 | 487.6 | 410 | 173.6 | 366.6 | 258.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.6 | 1.4 | 3.1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 23.7 | 25.9 | 25.2 | 11.8 | 7.9 | 18.0 | <10 | 13.1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 21.2 | 22.0 | 14.1 | 25.7 | 14.4 | 18.3 | 20.2 | 18.3 | 14.3 | 16.25 | 1,116 | 2,063 | 1,510 | 1,348 | 1,496 | 1,968 | 1,760 | 838 | 1,591 | 798 |
| Total Concentration of VOCs | | 21.2 | 22.0 | 14.1 | 25.7 | 14.4 | 18.3 | 20.2 | 18.3 | 14.3 | 16.3 | 1,116 | 2,063 | 1,510 | 1,350 | 1,496 | 1,968 | 1,760 | 838 | 1,591 | 801 |

# 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) Nov-94* | Feb-95* | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <30 | <0.5 | <0.5 | <0.5 | <1 | Trace | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| n-Butylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| sec-Butylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| ter-Butylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| 1,4-Dichlorobenzene | 5 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Isopropylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | <5 | <25 | <5 | <50 | <5 | <5 | <50 |
| Naphthalene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| n-Propylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Toluene | 150 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| 1,2,4-Trimethylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| 1,3,5-Trimethylbenzene | | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <10 | <0.5 | <2 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Xylenes, total | 1750 | <50 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <10 | <1 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Bromoform | 80 | <60 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <4 | <2 | <2 | <10 | <0.5 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| Carbon Tetrachloride | 0.5 | <30 | 18.0 | 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 |
| Chloroform | 80 | <30 | 5.9 | 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 |
| 1,1-Dichloroethane | 5 | <30 | 6.6 | 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 |
| 1,2-Dichloroethane | 0.5 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| 1,1-Dichloroethene | 6 | <30 | 19.0 | 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 |
| cis-1,2-Dichloroethene | 6 | 160.0 | 160.0 | 170.0 | 180.0 | 242.0 | 200 | 259.0 | 194.0 | 385.0 | 242.0 | 150.0 | 143 | 126.0 | 212.0 | 248.0 | 110.0 | 110.0 | 211.0 | 195.0 | 224.0 |
| trans-1,2-Dichloroethene | 10 | <30 | 6.2 | 5.8 | 75.0 | 15.7 | 13.0 | 6.5 | 8.8 | 7.9 | 6.2 | 10.0 | 8.8 | 5.8 | 7.2 | 7.0 | 9.6 | <10 | 6.4 | 6.2 | <10 |
| Methylene Chloride | 5 | <50 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <60 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <4 | <2 | <2 | <10 | <0.5 | <2 | <10 | <2 | <10 | <2 | <20 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | 790.0 | 990.0 | 670.0 | 840.0 | 1,080 | 1,000 | 1,300 | 1,030 | 1,570 | 1,510 | 940 | 1,130 | 648.0 | 749.0 | 1,230 | 664.0 | 713.0 | 1,080 | 924.0 | 946.0 |
| 1,1,1-Trichloroethane | 200 | <30 | 0.87 | <0.5 | 0.63 | <1 | <0.5 | <2 | <1 | <1 | <5 | 1.4 | <1 | <5 | <1 | <5 | <1 | <10 | 1.2 | 1.2 | <10 |
| 1,1,2-Trichloroethane | 5 | <30 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <1 | <1 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Trichloroethene | 5 | 400.0 | 400.0 | 280.0 | 300.0 | 405.0 | 430 | 418.0 | 363.0 | 450.0 | 316.0 | 390.0 | 455 | 286.0 | 386.0 | 452.0 | 300.0 | 311.0 | 384.0 | 334.0 | 431.0 |
| Freon-113 | 1200 | <30 | 1.4 | <0.5 | <0.5 | <5 | <0.5 | <2 | <1 | 2.0 | <5 | <0.5 | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Freon-123A | | <30 | | | | <1 | | <2 | <1 | <1 | <5 | | <1 | <5 | <1 | <5 | <1 | <10 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <30 | 11.0 | 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 |
| Total Halogenated Hydrocarbons | | 1,350 | 1,619 | 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 |
| Total Concentration of VOCs | | 1,350 | 1,619 | 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 |

# 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) Jun-98 | Sep-98 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <500 | <50 | <50 | <50 | <50 | <50 | <5 |
| Naphthalene | | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Bromoform | 80 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Chloroform | 80 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <30 | <30 | <3 | <300 | <30 | <30 | <30 | <30 | <30 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | 2.0 | <10 | <10 | <10 | <10 | <10 | <10 | 1.7 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | <10 | 1.2 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | 175.0 | 101.0 | 155.0 | 181.0 | 130.0 | 132.0 | 52.9 | 50.0 | 115.0 | 91.1 | 37.0 | 41.4 | 95.7 | <100 | 29.7 | 27.9 | 48.7 | 44.9 | 24.6 | 47.9 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | 4.7 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <200 | <20 | <20 | <20 | <20 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Tetrachloroethene | 5 | 962.0 | 1,250 | 935.0 | 976.0 | 1,030 | 1,030 | 966.0 | 962.0 | 768.0 | 790.0 | 1,277 | 1,703 | 1,100 | 884.6 | 1,114 | 1,142 | 550.5 | 576.8 | 613.6 | 471.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | 27.6 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Trichloroethene | 5 | 336.0 | 356.0 | 270.0 | 288.0 | 205.0 | 172.0 | 235.0 | 147.0 | 165.0 | 138.0 | 150.5 | 188.2 | 143.8 | <100 | 162.4 | 169.0 | 102.1 | 117.0 | 113.2 | 128.0 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Freon-123A | | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <100 | <10 | <10 | <10 | <10 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 1,473 | 1,707 | 1,360 | 1,445 | 1,365 | 1,337 | 1,254 | 1,159 | 1,076 | 1,019 | 1,465 | 1,933 | 1,341 | 884.6 | 1,306 | 1,339 | 701.3 | 738.7 | 751.4 | 651.6 |
| Total Concentration of VOCs | | 1,473 | 1,707 | 1,360 | 1,445 | 1,365 | 1,337 | 1,254 | 1,159 | 1,076 | 1,019 | 1,465 | 1,933 | 1,341 | 884.6 | 1,306 | 1,339 | 701.3 | 738.7 | 751.4 | 651.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-92-19 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-03 | Aug-03 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 65.9 | 56.3 | 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 |
| trans-1,2-Dichloroethene | 10 | 6.8 | 6.2 | 4.8 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 625.0 | 642.0 | 936.0 | 503.0 | 632.0 | 344.0 | 66.5 | 38.5 | 31.6 | 7.7 | 17.0 | 19.3 | 6.5 | 6.2 | 8.0 | 5.3 | 6.6 | 5.8 | 3.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 185.0 | 164.0 | 176.0 | 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 |
| Freon-113 | 1200 | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.3 | <1 | <1 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 884.0 | 868.5 | 1,174.5 | 655.6 | 785.4 | 464.5 | 87.0 | 46.8 | 39.0 | 9.0 | 21.11 | 26.4 | 7.7 | 6.2 | 9.7 | 5.3 | 8.2 | 7.3 | 3.2 |
| Total Concentration of VOCs | | 884.0 | 868.5 | 1,175 | 655.6 | 785.4 | 464.5 | 87.0 | 46.8 | 39.0 | 9.0 | 21.1 | 26.4 | 7.7 | 6.2 | 9.7 | 5.3 | 8.2 | 7.3 | 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 | 7-94-3 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-96 | Nov-96 | Mar-97 | Jun-97 | Dec-97 | Jun-98 | Sep-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| n-Butylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,4-Dichlorobenzene | 5 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | <5 | <5 | <5 | <5 | <50 |
| Naphthalene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Toluene | 150 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,2,4-Trimethylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,3,5-Trimethylbenzene | | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Xylenes, total | 1750 | <6 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <3 | <10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Bromoform | 80 | <6 | <20 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| Carbon Tetrachloride | 0.5 | 3.1 | <5 | 1.4 | 1.7 | 1.6 | 1.7 | 1.4 | 2.4 | 2.7 | 1.9 | 2.4 | <1 | <1 | 2.0 | 1.0 | 2.0 | <1 | <1 | <1 | <10 |
| Chloroform | 80 | 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 | 4.0 | 4.4 | 3.2 | 2.4 | <1 | <1 | <10 |
| 1,1-Dichloroethane | 5 | <3 | <5 | 1.5 | 0.74 | 0.84 | 0.63 | <0.5 | <1 | 1.9 | 1.6 | <1 | <1 | <1 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <10 |
| 1,2-Dichloroethane | 0.5 | 4.3 | <5 | <1 | 0.59 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| 1,1-Dichloroethene | 6 | 24.0 | 22.0 | 10.7 | 11.0 | 10.0 | 12.0 | 8.3 | 11.4 | 17.8 | 14.6 | 8.2 | 5.9 | 8.4 | 8.7 | 8.3 | 6.6 | 3.9 | 2.4 | <1 | <10 |
| cis-1,2-Dichloroethene | 6 | 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 | 2.1 | 1.6 | <1 | 1.4 | 2.6 | <1 | <10 |
| trans-1,2-Dichloroethene | 10 | <3 | <5 | <1 | 4.7 | 6.6 | 4.6 | 5.1 | 2.0 | 2.9 | 2.8 | 2.4 | 7.1 | 3.7 | 2.4 | 1.6 | <1 | 1.9 | <1 | <1 | <10 |
| Methylene Chloride | 5 | <3 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <6 | <20 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <3 | <10 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Tetrachloroethene | 5 | 89.0 | 81.0 | 81.3 | 110.0 | 84.0 | 110.0 | 92.0 | 89.9 | 88.6 | 69.2 | 115.0 | 156.0 | 111.0 | 105.0 | 105.0 | 83.8 | 123.0 | 1810 | 519.0 | 1030.0 |
| 1,1,1-Trichloroethane | 200 | <3 | <5 | <1 | 1.4 | 0.67 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | <1 | <1 | <1 | 5.2 | 1.0 | <10 |
| 1,1,2-Trichloroethane | 5 | <3 | <5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Trichloroethene | 5 | 96.0 | 91.0 | 81.3 | 62.0 | 53.0 | 64.0 | 47.0 | 56.0 | 58.8 | 51.9 | 63.5 | 38.9 | 35.3 | 52.5 | 53.7 | 41.3 | 36.5 | 32.3 | 7.2 | 12.6 |
| Freon-113 | 1200 | <3 | | 3.1 | 0.99 | 0.9 | 0.59 | <0.5 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Freon-123A | | <3 | <10 | <1 | | | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <3 | <10 | <1 | 3.0 | <0.5 | 1.0 | 1.1 | <1 | <1 | <1 | <1 | 5.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Total Halogenated Hydrocarbons | | 230.4 | 208.0 | 185.3 | 203.2 | 166.2 | 201.7 | 161.3 | 171.1 | 182.5 | 150.1 | 199.2 | 225.0 | 164.4 | 177.9 | 176.7 | 136.9 | 169.1 | 1852.5 | 527.2 | 1042.6 |
| Total Concentration of VOCs | | 230.4 | 208.0 | 185.3 | 203.2 | 166.2 | 201.7 | 161.3 | 171.1 | 182.5 | 150.1 | 199.2 | 225.0 | 164.4 | 177.9 | 176.7 | 136.9 | 169.1 | 1,853 | 527.2 | 1,043 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Mar-02 | May-02 | Sep-02 | Feb-03 | Sep-03 | Mar-04 | Aug-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 | 1.6 | <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 | 2.3 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.5 | <1 | <1 | 1.2 | 1.3 | 1.4 | 2.4 | 1.4 | 2.6 |
| Chloroform | 80 | 1.1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | 3.5 | <3 | <3 | 4.9 | 6.1 | 3.2 | 6.7 | 3.5 | 5.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | 3.5 | <1 | 2.6 | 1.9 | 1.6 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | 6.8 | 3.3 | 3.8 | 9.0 | 14.6 | 5.4 | 12.6 | 10.0 | 12.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.4 | <1 | 3.4 | 2.4 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | 1.6 | 1.4 | <1 | <1 | 1.0 | <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 | 589.0 | 401.0 | 378.0 | 182.0 | 162.0 | 328.0 | 221.0 | 87.7 | 147.4 | 73.9 | 116.5 | 197.6 | 222.1 | 128.9 | 106.2 | 157.9 | 102.0 | 202.0 | 99.2 | 99.0 |
| 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 | 4.8 | 6.3 | 5.8 | 4.9 | 2.8 | 5.2 | 3.3 | 1.8 | 5.4 | 4.9 | 9.8 | 32.1 | 21.1 | 23.9 | 32.0 | 38.3 | 30.7 | 58.3 | 34.8 | 43.3 |
| 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 | | 594.9 | 407.3 | 385.3 | 186.9 | 164.8 | 333.2 | 224.3 | 89.5 | 152.8 | 78.8 | 130.0 | 242.5 | 248.1 | 158.0 | 157.8 | 224.1 | 143.7 | 288.0 | 153.2 | 166.1 |
| Total Concentration of VOCs | | 594.9 | 407.3 | 385.3 | 186.9 | 164.8 | 333.2 | 224.3 | 89.5 | 152.8 | 78.8 | 130.0 | 242.5 | 248.1 | 158.0 | 157.8 | 224.1 | 143.7 | 291.9 | 153.2 | 166.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 7-94-3 (Cont'd) | | | | | | | | | | | | | 7-95-22 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-95(G | Nov-95 | Mar-96 | Jun-96 | Sep-96 | (D)* | Nov-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | <1 | <700 | <10 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1 | <1 | <100 | <2 | <700 | <20 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | <1 | <700 | <10 |
| 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 | <100 | <1 | <1 | <100 | <2 | <700 | <20 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 8.8 | <1 | <100 | <1 | <700 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <2 | <2 | <200 | <1 | <700 | <10 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <2 | <2 | <200 | <2 | <2000 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 8.8 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | <1 | <700 | <10 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <2 | <2 | <200 | <2 | <700 | <20 |
| Carbon Tetrachloride | 0.5 | <1 | 2.2 | 1.9 | 1.3 | 1.4 | 2.0 | 1.0 | <1 | 1.2 | 1.3 | <1 | 1.1 | 1.0 | 236.0 | 708.0 | 28.6 | 120.0 | 154.0 | <700 | 207.0 |
| Chloroform | 80 | <3 | 7.8 | 5.6 | 3.6 | <3 | 3.9 | <3 | <3 | 3.1 | <3 | <3 | <3 | <3 | <100 | 51.4 | 7.0 | <100 | 27.6 | <700 | 26.3 |
| 1,1-Dichloroethane | 5 | <1 | 1.4 | 1.3 | 1.8 | <1 | 1.7 | <1 | <1 | 1.7 | 1.6 | <1 | 1.1 | <1 | <100 | 11.9 | 1.2 | <100 | 9.6 | <700 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1 | <1 | <100 | <2 | <700 | <20 |
| 1,1-Dichloroethene | 6 | 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 | 198.0 | 525.0 | 24.8 | 180.0 | 146.0 | <700 | 190.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 2.5 | <1 | 2.5 | 1.9 | 2.6 | 2.1 | 2.4 | 13.4 | 3.3 | 3.3 | <100 | 109.0 | 12.4 | 110.0 | 106.0 | <700 | 78.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 3.2 | 2.5 | 2.2 | 1.7 | 2.2 | 3.0 | 6.9 | 2.9 | 7.6 | <100 | <1 | <1 | <100 | 1.5 | <700 | <10 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 11.5 | <1 | <100 | 3.8 | <2000 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | 84.6 | <1 | <100 | 56.6 | <700 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | <1 | <700 | <10 |
| Tetrachloroethene | 5 | 43.3 | 82.7 | 54.8 | 87.2 | 59.2 | 71.1 | 52.5 | 40.9 | 66.0 | 69.0 | 25.2 | 40.5 | 43.0 | 21,800 | 46,400 | 37,000 | 21,900 | 21,240 | 32,000 | 28,200 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 213.0 | 23.3 | 200.0 | 168.0 | <700 | 257.0 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | 4.4 | <700 | <10 |
| Trichloroethene | 5 | 16.1 | 37.0 | 29.9 | 36.0 | 21.3 | 32.3 | 20.1 | 18.8 | 25.9 | 25.3 | 8.1 | 17.0 | 16.2 | 4,820 | 12,600 | 6,640 | 3,525 | 4,120 | 6,300 | 4,350 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <500 | <1 | <1 | <100 | <1 | <700 | <10 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1 | <1 | <100 | <1 | <700 | <10 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 5.6 | <1 | <100 | <1 | <700 | <10 |
| Total Halogenated Hydrocarbons | | 62.8 | 139.9 | 102.4 | 142.6 | 90.3 | 124.4 | 81.7 | 68.1 | 109.9 | 109.5 | 53.6 | 71.0 | 75.2 | 27,054 | 60,720 | 43,737 | 26,035 | 26,038 | 38,300 | 33,309 |
| Total Concentration of VOCs | | 62.8 | 139.9 | 102.4 | 142.6 | 90.3 | 124.4 | 81.7 | 68.1 | 109.9 | 109.5 | 53.6 | 71.0 | 75.2 | 27,054 | 60,729 | 43,737 | 26,035 | 26,038 | 38,300 | 33,309 |

# 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)* | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| n-Butylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| sec-Butylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| ter-Butylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| 1,4-Dichlorobenzene | 5 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 0.71 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Ethylbenzene | 300 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Isopropylbenzene | | <3000 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 |
| p-Isopropyltoluene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <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 |
| Naphthalene | | <3000 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 |
| n-Propylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Toluene | 150 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 1.7 | <50 | <100 | <100 | <10 | <100 | 0.54 | <100 | <500 | <200 | <10 | <100 |
| 1,2,4-Trimethylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| 1,3,5-Trimethylbenzene | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Xylenes, total | 1750 | <6000 | <1000 | <1000 | <200 | <200 | <200 | <200 | <200 | <1 | <100 | <200 | <200 | <20 | <200 | <1 | <200 | <1000 | <400 | <20 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | 2.41 | | | | | | 0.54 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Bromoform | 80 | <3000 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | 1.4 | <100 | <200 | <200 | <20 | <200 | <0.5 | <200 | <1000 | <400 | <20 | <200 |
| Carbon Tetrachloride | 0.5 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 55.0 | 69.4 | <100 | <100 | 43.5 | <100 | 39.0 | <100 | <500 | <200 | <10 | <100 |
| Chloroform | 80 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 7.3 | <50 | <100 | <100 | <10 | <100 | 7.5 | <100 | <500 | <200 | <10 | <300 |
| 1,1-Dichloroethane | 5 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 4.5 | <50 | <100 | <100 | <10 | <100 | 3.8 | <100 | <500 | <200 | <10 | <100 |
| 1,2-Dichloroethane | 0.5 | <3000 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | <0.5 | <100 | <200 | <200 | <20 | <200 | 0.50 | <200 | <1000 | <400 | <20 | <200 |
| 1,1-Dichloroethene | 6 | <3000 | <500 | <500 | 103.0 | 160.0 | 111.0 | 130.0 | <100 | 99.0 | 113.0 | <100 | <100 | 62.3 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| cis-1,2-Dichloroethene | 6 | <3000 | <500 | <500 | 2,320 | 4,400 | 1,720 | 610.0 | 502.0 | 740.0 | 490.0 | 333.0 | 309.0 | 212.0 | 321.0 | 330.0 | 174.0 | <500 | <200 | <10 | 149.0 |
| trans-1,2-Dichloroethene | 10 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 1.3 | <50 | <100 | <100 | <10 | <100 | 15.0 | <100 | <500 | <200 | <10 | <100 |
| Methylene Chloride | 5 | <6000 | <500 | <1000 | <100 | <200 | <100 | <200 | <100 | 1.2 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| 1,1,1,2-Tetrachloroethane | | <3000 | <1000 | <500 | <200 | <100 | <200 | <100 | <200 | 31.0 | <100 | <200 | <200 | <20 | <200 | 18.0 | <200 | <1000 | <400 | <20 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Tetrachloroethene | 5 | 35,000 | 18,800 | 18,000 | 17,600 | 19,000 | 17,600 | 27,000 | 14,200 | 20,000 | 18,200 | 14,800 | 12,800 | 12,300 | 9,230 | 8,900 | 8,520 | 7,400 | 7,540 | 510.0 | 2,410 |
| 1,1,1-Trichloroethane | 200 | <3000 | <500 | <500 | <100 | 100.0 | <100 | 150.0 | <100 | 89.0 | 69.4 | <100 | <100 | 31.1 | <100 | 25.0 | <100 | <500 | <200 | <10 | <100 |
| 1,1,2-Trichloroethane | 5 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | 2.6 | <50 | <100 | <100 | <10 | <100 | 1.9 | <100 | <500 | <200 | <10 | <100 |
| Trichloroethene | 5 | 5,700 | 2,460 | 2,700 | 3,130 | 4,000 | 2,930 | 3,100 | 1,640 | 2,200 | 3,450 | 2,240 | 1,750 | 1,440 | 1,110 | 1,500 | 1,010 | 1,750 | 1,290 | 57.3 | 408.0 |
| Freon-113 | 1200 | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Freon-123A | | <3000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | | <50 | <100 | <100 | <10 | <100 | | <100 | <500 | <200 | <10 | <100 |
| Vinyl Chloride | 0.5 | <6000 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <0.5 | <50 | <100 | <100 | <10 | <100 | <0.5 | <100 | <500 | <200 | <10 | <100 |
| Total Halogenated Hydrocarbons | | 40,700 | 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 | 567.3 | 2,967 |
| Total Concentration of VOCs | | 40,700 | 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 | 567.3 | 2,967 |

# 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) Sep-00 | (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| n-Butylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| sec-Butylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| ter-Butylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Isopropylbenzene | | <200 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <500 | <50 | <500 | <1000 | <0.5 | <500 | <0.5 | <500 | <50 | <500 | <0.5 | <500 | <500 | <50 | <500 | <50 | <500 | <50 | <5 | <5 |
| Naphthalene | | <200 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 |
| n-Propylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Toluene | 150 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <200 | <100 | <200 | <400 | <1 | <200 | <1 | <200 | <20 | <200 | <1 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Bromoform | 80 | <200 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <100 | <50 | <100 | <200 | 11.0 | <100 | 28.0 | <100 | 19.8 | <100 | 9.0 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | 4.5 | 7.8 |
| Chloroform | 80 | <300 | <50 | <300 | <600 | 3.0 | <300 | 3.8 | <300 | <10 | <300 | 3.4 | <300 | <300 | <10 | <300 | <10 | <300 | <10 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <100 | <50 | <100 | <200 | 0.94 | <100 | 1.1 | <100 | <10 | <100 | 0.69 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <200 | <50 | <200 | <400 | <0.5 | <200 | <0.5 | <200 | <20 | <200 | <0.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <100 | <50 | <100 | <200 | 13.0 | <100 | 16.0 | <100 | 16.0 | <100 | 7.2 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | 2.2 | 5.9 |
| cis-1,2-Dichloroethene | 6 | <100 | 92.0 | <100 | <200 | 54.0 | <100 | 78.0 | <100 | 210.3 | 106.6 | 110.0 | <100 | <100 | 76.7 | <100 | 51.2 | <100 | 13.8 | 19.4 | 26.6 |
| trans-1,2-Dichloroethene | 10 | <100 | <50 | <100 | <200 | 2.2 | <100 | 2.4 | <100 | <10 | <100 | 12.0 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <100 | <100 | <100 | <200 | <1 | <100 | <1 | <100 | <10 | <100 | <1 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <200 | <50 | <200 | <400 | 4.3 | <200 | 5.4 | <200 | <20 | <200 | 4.5 | <200 | <200 | <20 | <200 | <20 | <200 | <20 | 2.2 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 3,399 | 3,900 | 3,510 | 3,784 | 980.0 | 4,019 | 3,300 | 2,594 | 3,166 | 2,654 | 2,700 | 1,446 | 1,760 | 1,805 | 1,784 | 1,597 | 583.0 | 535.0 | 943.0 | 1,390 |
| 1,1,1-Trichloroethane | 200 | <100 | <50 | <100 | <200 | 2.5 | <100 | 2.6 | <100 | <10 | <100 | 1.6 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <100 | <50 | <100 | <200 | 0.66 | <100 | 0.63 | <100 | <10 | <100 | 0.69 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Trichloroethene | 5 | 547.3 | 590.0 | 580.7 | 566.3 | 190.0 | 813.1 | 610.0 | 567.4 | 839.0 | 518.6 | 500.0 | 276.9 | 414.4 | 308.2 | 316.6 | 190.7 | 104.0 | 104.0 | 172.0 | 326.0 |
| Freon-113 | 1200 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Freon-123A | | <100 | <50 | <100 | <200 | | <100 | | <100 | <10 | <100 | | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <100 | <50 | <100 | <200 | <0.5 | <100 | <0.5 | <100 | <10 | <100 | <0.5 | <100 | <100 | <10 | <100 | <10 | <100 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3,946 | 4,582 | 4,090 | 4,350 | 1,261.6 | 4,832 | 4,048 | 3,162 | 4,251 | 3,280 | 3,349 | 1,723 | 2,175 | 2,190 | 2,101 | 1,839 | 687.0 | 652.8 | 1,143 | 1,756 |
| Total Concentration of VOCs | | 3,946 | 4,582 | 4,090 | 4,350 | 1,261.6 | 4,832 | 4,048 | 3,162 | 4,251 | 3,280 | 3,349 | 1,723 | 2,175 | 2,190 | 2,101 | 1,839 | 687.0 | 652.8 | 1,143 | 1,756 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-03 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <50 | <5 | <5 |
| Naphthalene | | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Bromoform | 80 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 4.6 | <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 |
| Chloroform | 80 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | 0.53 | <1 | <3 | <3 | <3 | <30 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <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 |
| cis-1,2-Dichloroethene | 6 | 11.3 | <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 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <20 | <20 | <1 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | 0.89 | <1 | <2 | <2 | <2 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 595.0 | 419.0 | 546.0 | 644.0 | 330.0 | 370.0 | 212.0 | 164.0 | 196.0 | 279.0 | 285.0 | 296.0 | 270.0 | 666.0 | 258.0 | 294.0 | 121.0 | 96.6 | 149.0 | 85.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Trichloroethene | 5 | 145.0 | 139.0 | 187.0 | 252.0 | 106.0 | 135.0 | 67.4 | 42.9 | 58.6 | 72.5 | 114.0 | 142.0 | 130.0 | 293.0 | 112.0 | 136.0 | 46.3 | 40.7 | 66.2 | 29.5 |
| Freon-113 | 1200 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Freon-123A | | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 755.9 | 558.0 | 746.8 | 920.7 | 449.5 | 521.6 | 286.9 | 206.9 | 261.3 | 361.6 | 421.4 | 452.8 | 413.8 | 993.1 | 381.0 | 446.3 | 171.3 | 137.3 | 220.8 | 116.7 |
| Total Concentration of VOCs | | 755.9 | 558.0 | 746.8 | 920.7 | 449.5 | 521.6 | 286.9 | 206.9 | 261.3 | 361.6 | 421.4 | 452.8 | 413.8 | 993.1 | 381.0 | 446.3 | 171.3 | 137.3 | 220.8 | 116.7 |

# 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 | 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 | Jan-96 (G | Apr-96 | Jun-96^ | (D) |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | 1.8 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <100 | <5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | <5 | <25 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <100 | | <1 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 7.9 | <100 | 8.8 | 12.1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <200 | <5 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 3.9 | <200 | <10 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | 11.8 | | 8.8 | 13.9 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 5.4 | <200 | <5 | 8.3 |
| Carbon Tetrachloride | 0.5 | 4.4 | 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 | 900.0 | 2200 | 1700 | 1230 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <15 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 68.2 | <100 | 120.0 | 124.0 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10.4 | <100 | 13.0 | 15.2 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 8.8 | <100 | 9.2 | <1 |
| 1,1-Dichloroethene | 6 | 1.8 | 1.6 | 1.6 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | 1.8 | 2.1 | <1 | 2.1 | <1 | 145.0 | 202.0 | 210.0 | 370.0 |
| cis-1,2-Dichloroethene | 6 | 5.2 | 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 | 82.9 | 241.0 | 670.0 | 775.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | 3.3 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 29.9 | <100 | 26.0 | 39.0 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | 0.54 | <2 | <2 | <10 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 32.0 | <100 | 32.0 | 57.9 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 |
| Tetrachloroethene | 5 | 270.0 | 200.0 | 200 | 83.7 | 114.0 | 204 | 100 | 147.0 | 82.8 | 81 | 135.0 | 154.0 | 183 | 49.7 | 247.0 | 103 | 24,800 | 57,500 | 37,000 | 38,300 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 14.9 | <100 | <5 | 2.9 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | 8.1 | 13.5 |
| Trichloroethene | 5 | 133.0 | 93.0 | 100 | 31.4 | 50.8 | 138 | 43.7 | 56.5 | 61.7 | 31 | 30.1 | 53.6 | 84.1 | 12.0 | 113.0 | 28.8 | 27,500 | 39,100 | 37,000 | 40,850 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | | <1 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <5 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | <100 | 4.9 | 4.9 |
| Total Halogenated Hydrocarbons | | 414.4 | 302.3 | 310.7 | 118.5 | 169.8 | 353.1 | 147.9 | 208.7 | 150.3 | 115.0 | 168.1 | 214.9 | 291.3 | 62.9 | 372.3 | 133.8 | 53,600 | 99,243 | 76,793 | 81,794 |
| Total Concentration of VOCs | | 414.4 | 302.3 | 310.7 | 118.5 | 169.8 | 353.1 | 147.9 | 208.7 | 150.3 | 115.0 | 168.1 | 214.9 | 291.3 | 62.9 | 372.3 | 133.8 | 53,612 | 99,243 | 76,802 | 81,808 |

# 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-96 | (D)* | Nov-96 | (D)* | Mar-97 | (D)* | Jun-97 | Sep-97 | (D)* | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Mar-99 | Jun-99 | (D)* | Feb-00 | Mar-00 | Mar-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| n-Butylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| sec-Butylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| ter-Butylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| 1,4-Dichlorobenzene | 5 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Ethylbenzene | 300 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Isopropylbenzene | | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 |
| p-Isopropyltoluene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Methyl tert-Butyl Ether | 13 | | | | | <2500 | <2500 | <500 | <500 | <500 | <500 | <500 | <2500 | <2500 | <50 | <2500 | <2500 | <50 | <50 | <2500 | <2500 |
| Naphthalene | | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 |
| n-Propylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Toluene | 150 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| 1,2,4-Trimethylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| 1,3,5-Trimethylbenzene | | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Xylenes, total | 1750 | <200 | <2000 | <20 | <2000 | <1000 | <1000 | <200 | <200 | <200 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <100 | <20 | <1000 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Bromoform | 80 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 |
| Carbon Tetrachloride | 0.5 | 1120 | 1200 | 990.0 | 2100 | 1000 | 1300 | 1140 | 1590 | 1700 | 1420 | 2400 | 2140 | 1140 | 1250 | 1250 | 1220 | 1800 | 87.5 | 899.0 | 791.0 |
| Chloroform | 80 | 118.0 | <700 | 168.0 | <900 | <500 | <500 | <100 | <100 | 100.0 | <100 | 151.0 | <500 | <500 | 100.0 | <500 | <500 | 100.0 | <10 | <500 | <500 |
| 1,1-Dichloroethane | 5 | <100 | <700 | 11.3 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| 1,2-Dichloroethane | 0.5 | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 |
| 1,1-Dichloroethene | 6 | 122.0 | <700 | 194.0 | 220.0 | <500 | <500 | 108.0 | 119.0 | 180.0 | 124.0 | 220.0 | <500 | <500 | 141.0 | <500 | <500 | 200.0 | <10 | <500 | <500 |
| cis-1,2-Dichloroethene | 6 | 1110 | 1600 | 975.0 | 1000 | <500 | 740.0 | 754.0 | 583.0 | 780.0 | 566.0 | 445.0 | <500 | <500 | 674.0 | <500 | <500 | 330.0 | 48.6 | <500 | <500 |
| trans-1,2-Dichloroethene | 10 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Methylene Chloride | 5 | <100 | <2000 | 26.8 | <2000 | <500 | <1000 | <100 | <100 | <200 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | 160.0 | <10 | <500 | <500 |
| 1,1,1,2-Tetrachloroethane | | <200 | <700 | <20 | <900 | <1000 | <500 | <200 | <200 | <100 | <200 | <200 | <1000 | <1000 | <20 | <1000 | <1000 | <50 | <20 | <1000 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Tetrachloroethene | 5 | 27,850 | 27,000 | 27,980 | 39,000 | 27,700 | 31,000 | 24,100 | 28,300 | 34,000 | 32,200 | 54,900 | 38,300 | 34,400 | 27,500 | 35,700 | 35,200 | 38,000 | 1,550 | 19,300 | 20,400 |
| 1,1,1-Trichloroethane | 200 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| 1,1,2-Trichloroethane | 5 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Trichloroethene | 5 | 34,050 | 28,000 | 31,850 | 40,000 | 28,100 | 32,000 | 27,200 | 29,200 | 35,000 | 32,000 | 39,700 | 43,600 | 35,500 | 30,100 | 38,900 | 35,600 | 45,000 | 1,720 | 17,700 | 17,800 |
| Freon-113 | 1200 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Freon-123A | | <100 | | <10 | | <500 | | <100 | <100 | | <100 | <100 | <500 | <500 | <10 | <500 | <500 | | <10 | <500 | <500 |
| Vinyl Chloride | 0.5 | <100 | <700 | <10 | <900 | <500 | <500 | <100 | <100 | <100 | <100 | <100 | <500 | <500 | <10 | <500 | <500 | <50 | <10 | <500 | <500 |
| Total Halogenated Hydrocarbons | | 64,370 | 57,800 | 62,195 | 82,320 | 56,800 | 65,040 | 53,302 | 59,792 | 71,760 | 66,310 | 97,816 | 84,040 | 71,040 | 59,765 | 75,850 | 72,020 | 85,590 | 3,406.1 | 37,899 | 38,991 |
| Total Concentration of VOCs | | 64,370 | 57,800 | 62,195 | 82,320 | 56,800 | 65,040 | 53,302 | 59,792 | 71,760 | 66,310 | 97,816 | 84,040 | 71,040 | 59,765 | 75,850 | 72,020 | 85,590 | 3,406 | 37,899 | 38,991 |

# 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) Mar-00 | (D)* | May-00 | (D)* | Sep-00 | (D)* | Nov-00 | Dec-00* | Jan-01 | Jan-01 | Feb-01 | Feb-01 | Feb-01 | Jun-01 | Sep-01 | (D)* | Dec-01 | Mar-02 | (D)* | Jun-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <50 | <200 | 1.1 | <100 | <50 | <100 | 0.56 | 3.2 | <100 | <100 | <10 | <100 | <500 | <500 | 1.0 | <500 | <500 | <30 | <100 |
| n-Butylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| sec-Butylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| ter-Butylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| 1,4-Dichlorobenzene | 5 | <500 | <50 | <200 | 1.3 | <100 | <50 | <100 | 1.1 | 1.3 | <100 | <100 | <10 | <100 | <500 | <500 | 1.3 | <500 | <500 | <30 | <100 |
| Ethylbenzene | 300 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Isopropylbenzene | | <1000 | <50 | <400 | <0.5 | <200 | <50 | <200 | <0.5 | <2 | <200 | <200 | <20 | <200 | <1000 | <1000 | <0.5 | <1000 | <1000 | <30 | <200 |
| p-Isopropyltoluene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Methyl tert-Butyl Ether | 13 | <2500 | <50 | <1000 | <0.5 | <500 | <50 | <500 | <0.5 | <5 | <500 | <500 | <50 | <500 | <2500 | <2500 | <0.5 | <2500 | <2500 | <150 | <500 |
| Naphthalene | | <1000 | <50 | <400 | <0.5 | <200 | <50 | <200 | <0.5 | <2 | <200 | <200 | <20 | <200 | <1000 | <1000 | <0.5 | <1000 | <1000 | <30 | <200 |
| n-Propylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Toluene | 150 | <500 | <50 | <200 | 5.3 | <100 | <50 | <100 | 2.1 | 2.6 | <100 | <100 | <10 | <100 | <500 | <500 | 3.9 | <500 | <500 | <30 | <100 |
| 1,2,4-Trimethylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| 1,3,5-Trimethylbenzene | | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Xylenes, total | 1750 | <1000 | <100 | <400 | <1 | <200 | <100 | <200 | <1 | <2 | <200 | <200 | <20 | <200 | <1000 | <1000 | <1 | <1000 | <1000 | <1 | <200 |
| Total Aromatic Hydrocarbons | | | | | 7.7 | | | | 3.76 | 7.1 | | | | | | | 6.2 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Bromoform | 80 | <1000 | <50 | <400 | 4.5 | <200 | <50 | <200 | 2.2 | 5.5 | <200 | <200 | <20 | <200 | <1000 | <1000 | 3.6 | <1000 | <1000 | <30 | <200 |
| Carbon Tetrachloride | 0.5 | 787.0 | 520.0 | 727.0 | 640.0 | 480.6 | 350.0 | 367.6 | 230.0 | 209.0 | 368.4 | 328.6 | 441.2 | 462.7 | 613.8 | 774.6 | 440.0 | 501.2 | <500 | 390.0 | 150.1 |
| Chloroform | 80 | <500 | 59.0 | <600 | 63.0 | <300 | <50 | <300 | 35.0 | 48.8 | <300 | <300 | 39.4 | <300 | <1500 | <1500 | 64.0 | <1500 | <1500 | 46.0 | <300 |
| 1,1-Dichloroethane | 5 | <500 | <50 | <200 | 8.2 | <100 | <50 | <100 | 5.3 | 8.0 | <100 | <100 | <10 | <100 | <500 | <500 | 6.3 | <500 | <500 | <30 | <100 |
| 1,2-Dichloroethane | 0.5 | <1000 | <50 | <400 | 6.9 | <200 | <50 | <200 | 2.7 | 3.5 | <200 | <200 | <20 | <200 | <1000 | <1000 | 7.1 | <1000 | <1000 | <30 | <200 |
| 1,1-Dichloroethene | 6 | <500 | 70.0 | <200 | 100.0 | <100 | 51.0 | <100 | 43.0 | 66.0 | <100 | <100 | 75.4 | <100 | <500 | <500 | 84.0 | <500 | <500 | 64.0 | <100 |
| cis-1,2-Dichloroethene | 6 | 525.0 | 450.0 | 790.0 | 720.0 | 2,341 | 2,000 | 2,096 | 3,300 | 3,740 | 1,115 | 1,475 | 355.7 | 484.2 | <500 | 535.6 | 1,000 | <500 | <500 | 460.0 | 2,056 |
| trans-1,2-Dichloroethene | 10 | <500 | <50 | <200 | 4.7 | <100 | <50 | <100 | 43.0 | 2.0 | <100 | <100 | <10 | <100 | <500 | <500 | 4.4 | <500 | <500 | <30 | <100 |
| Methylene Chloride | 5 | <500 | <100 | <200 | 19.0 | <100 | <100 | <100 | <1 | 1.0 | <100 | <100 | <10 | <100 | <500 | <500 | 9.5 | <500 | <500 | 190.0 | <100 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <50 | <400 | 28.0 | <200 | <50 | <200 | 16.0 | 22.6 | <200 | <200 | <20 | <200 | <1000 | <1000 | 35.0 | <1000 | <1000 | <30 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Tetrachloroethene | 5 | 18,000 | 13,000 | 21,600 | 21,000 | 13,673 | 11,000 | 9,514 | 7,800 | 7,031 | 9,466 | 8,752 | 14,301 | 9,759 | 17,562 | 18,868 | 15,000 | 12,837 | 11,137 | 11,000 | 5,800 |
| 1,1,1-Trichloroethane | 200 | <500 | <50 | <200 | 2.2 | <100 | <50 | <100 | <0.5 | 1.3 | <100 | <100 | <10 | <100 | <500 | <500 | 1.2 | <500 | <500 | <30 | <100 |
| 1,1,2-Trichloroethane | 5 | <500 | <50 | <200 | 5.0 | <100 | <50 | <100 | 6.1 | 27.0 | <100 | <100 | 69.6 | <100 | <500 | <500 | 7.6 | <500 | <500 | <30 | <100 |
| Trichloroethene | 5 | 17,600 | 16,000 | 24,900 | 24,000 | 17,594 | 14,000 | 12,805 | 14,000 | 10,745 | 12,893 | 10,974 | 13,088 | 11,360 | 19,617 | 22,759 | 20,000 | 18,555 | 14,967 | 12,000 | 8,843 |
| Freon-113 | 1200 | <500 | <50 | <200 | <0.5 | <100 | <50 | <100 | <0.5 | <1 | <100 | <100 | <10 | <100 | <500 | <500 | <0.5 | <500 | <500 | <30 | <100 |
| Freon-123A | | <500 | | <200 | | <100 | <50 | <100 | | <1 | <100 | <100 | <10 | <100 | <500 | <500 | | <500 | <500 | | <100 |
| Vinyl Chloride | 0.5 | <500 | <50 | <200 | 1.4 | <100 | <50 | <100 | 1.3 | 1.7 | <100 | <100 | <10 | <100 | <500 | <500 | 1.3 | <500 | <500 | <30 | <100 |
| Total Halogenated Hydrocarbons | | 36,912 | 30,099 | 48,017 | 46,603 | 34,089 | 27,401 | 24,783 | 25,485 | 21,912 | 23,843 | 21,529 | 28,370 | 22,066 | 37,793 | 42,938 | 36,664 | 31,893 | 26,104 | 24,150 | 16,849 |
| Total Concentration of VOCs | | 36,912 | 30,099 | 48,017 | 46,611 | 34,089 | 27,401 | 24,783 | 25,488 | 21,920 | 23,843 | 21,529 | 28,370 | 22,066 | 37,793 | 42,938 | 36,670 | 31,893 | 26,104 | 24,150 | 16,849 |

# 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)* | Oct-02 | Nov-02 | (D)* | Feb-03 | (D)* | Apr-03 | (D)* | Jul-03# | Aug-03 | Sep-03 | Dec-03 | (D)* | Jan-04 | Mar-04 | May-04 | Aug-04 | (D)* | Oct-04 | Oct-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| n-Butylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| sec-Butylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| ter-Butylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| 1,4-Dichlorobenzene | 5 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Ethylbenzene | 300 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Isopropylbenzene | | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 |
| p-Isopropyltoluene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <500 | <150 | <2500 | <100 | <500 | <100 | <50 | <500 | <500 | <500 | <5 | <250 | <500 | <250 | <250 | <1 | <50 | <250 |
| Naphthalene | | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 |
| n-Propylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Toluene | 150 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| 1,2,4-Trimethylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| 1,3,5-Trimethylbenzene | | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Xylenes, total | 1750 | <1 | <20 | <200 | <50 | <1000 | <30 | <200 | <30 | <20 | <200 | <200 | <200 | <10 | <100 | <200 | <100 | <100 | <2 | <20 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Bromoform | 80 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | 110.0 | 280.0 | 360.3 | 230.0 | <500 | 240.0 | 205.0 | 140.0 | 323.0 | 235.0 | <100 | <100 | 51.0 | 67.6 | <100 | <50 | <50 | 32.0 | 35.9 | <50 |
| Chloroform | 80 | 44.0 | 40.0 | <300 | 34.0 | <1500 | 39.0 | <300 | <20 | 35.3 | <300 | <300 | <300 | <5 | <150 | <300 | <150 | <150 | 2.5 | <30 | <150 |
| 1,1-Dichloroethane | 5 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| 1,2-Dichloroethane | 0.5 | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 |
| 1,1-Dichloroethene | 6 | 46.0 | 45.0 | <100 | 38.0 | <500 | 35.0 | <100 | <20 | 24.4 | <100 | <100 | <100 | 5.6 | <50 | <100 | <50 | <50 | 3.1 | <10 | <50 |
| cis-1,2-Dichloroethene | 6 | 2,700 | 730.0 | 1,240 | 960.0 | <500 | 340.0 | 185.0 | 220.0 | 305.0 | <100 | <100 | <100 | 15.0 | <50 | <100 | <50 | <50 | 4.8 | <10 | <50 |
| trans-1,2-Dichloroethene | 10 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Methylene Chloride | 5 | <50 | <20 | <100 | <50 | <500 | 120.0 | <100 | 40.0 | <20 | <100 | <100 | <100 | <10 | <50 | <100 | <50 | <50 | <2 | <20 | <50 |
| 1,1,1,2-Tetrachloroethane | | <30 | <10 | <200 | <30 | <1000 | <20 | <200 | <20 | <10 | <200 | <200 | <200 | <5 | <100 | <200 | <100 | <100 | <1 | <10 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Tetrachloroethene | 5 | 6,400 | 8,500 | 8,791 | 4,100 | 4,960 | 3,800 | 3,420 | 3,400 | 4,420 | 4,500 | 3,580 | 1,470 | 1,200 | 1,300 | 940.0 | 773.0 | 790.0 | 550.0 | 603.0 | 633.0 |
| 1,1,1-Trichloroethane | 200 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| 1,1,2-Trichloroethane | 5 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Trichloroethene | 5 | 9,400 | 10,000 | 11,406 | 8,900 | 9,950 | 6,500 | 6,580 | 6,300 | 7,460 | 6,940 | 4,750 | 2,120 | 1,700 | 1,700 | 1,280 | 1,200 | 940.0 | 710.0 | 802.0 | 793.0 |
| Freon-113 | 1200 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Freon-123A | | | <10 | <100 | | <500 | | <100 | | <10 | <100 | <100 | <100 | | <50 | <100 | <50 | <50 | | <10 | <50 |
| Vinyl Chloride | 0.5 | <30 | <10 | <100 | <30 | <500 | <20 | <100 | <20 | <10 | <100 | <100 | <100 | <5 | <50 | <100 | <50 | <50 | <1 | <10 | <50 |
| Total Halogenated Hydrocarbons | | 18,700 | 19,595 | 21,798 | 14,262 | 14,910 | 11,074 | 10,390 | 10,100 | 12,568 | 11,675 | 8,330 | 3,590 | 2,971.6 | 3,067.6 | 2,220 | 1,973 | 1,730 | 1,302.4 | 1,440.9 | 1,426 |
| Total Concentration of VOCs | | 18,700 | 19,595 | 21,798 | 14,262 | 14,910 | 11,074 | 10,390 | 10,100 | 12,568 | 11,675 | 8,330 | 3,590 | 2,972 | 3,068 | 2,220 | 1,973 | 1,730 | 1,302 | 1,441 | 1,426 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jul-06 | (D)* | Aug-06* | Sep-06 | Oct-06 | Nov-06 | Dec-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| n-Butylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| sec-Butylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| ter-Butylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| Ethylbenzene | 300 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Isopropylbenzene | | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | | | <2 | <2 | <10 | <10 |
| p-Isopropyltoluene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <50 | <250 | <250 | <50 | <0.5 | <1 | <250 | <25 | <5 | <50 | <5 | <5 | <25 | <5 | | | <5 | <5 | <25 | <25 |
| Naphthalene | | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | | | <2 | <2 | <10 | <10 |
| n-Propylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| Toluene | 150 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| Xylenes, total | 1750 | <20 | <100 | <100 | <20 | <1 | <2 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | <1 | <1 | <2 | <2 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Bromoform | 80 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 36.4 | <50 | <50 | 18.5 | 20.0 | 18.5 | <50 | 10.2 | 15.4 | <10 | 4.7 | 15.3 | 10.5 | 8.5 | 9 | 8.1 | 16.3 | 8.5 | 8.4 | 8.3 |
| Chloroform | 80 | <30 | <150 | <150 | <30 | 1.9 | 2.5 | <150 | <15 | <3 | <30 | <3 | <3 | <15 | <3 | 0.7 | 0.68 | <3 | <3 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <10 | <100 | <100 | <10 | <0.5 | <1 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <10 | <50 | <50 | <10 | 2.0 | 2.6 | <50 | <5 | <1 | <10 | <1 | 1.4 | <5 | <1 | <0.5 | 0.53 | <1 | <1 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | <10 | <50 | <50 | <10 | 4.6 | 4.8 | <50 | <5 | 4.2 | <10 | <1 | 2.4 | <5 | 1.6 | 1.5 | 2 | 2.8 | <1 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Methylene Chloride | 5 | <20 | <50 | <50 | <20 | <1 | <2 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <10 | <100 | <100 | <10 | 0.73 | <1 | <100 | <10 | <2 | <20 | <2 | <2 | <10 | <2 | <0.5 | <0.5 | <2 | <2 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Tetrachloroethene | 5 | 706.0 | 659.0 | 554.0 | 393.0 | 360.0 | 507.0 | 515 | 246 | 358 | 201 | 136 | 246 | 256 | 177 | 250 | 180 | 321 | 173.0 | 196 | 200 |
| 1,1,1-Trichloroethane | 200 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Trichloroethene | 5 | 901.0 | 893.0 | 836.0 | 550.0 | 550.0 | 669.0 | 674 | 362 | 513 | 256 | 205 | 338 | 344 | 235 | 270 | 230 | 475 | 228.0 | 302 | 271 |
| Freon-113 | 1200 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Freon-123A | | <10 | <50 | <50 | <10 | | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | | | <1 | <1 | <5 | <5 |
| Vinyl Chloride | 0.5 | <10 | <50 | <50 | <10 | <0.5 | <1 | <50 | <5 | <1 | <10 | <1 | <1 | <5 | <1 | <0.5 | <0.5 | <1 | <1 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 1,643.4 | 1,552 | 1,390 | 961.5 | 939.23 | 1,204.4 | 1,189 | 618.2 | 890.6 | 457.0 | 345.7 | 603.1 | 610.5 | 422.1 | 531.2 | 421.31 | 815.1 | 409.5 | 506.4 | 479.3 |
| Total Concentration of VOCs | | 1,643 | 1,552 | 1,390 | 961.5 | 939.2 | 1,204 | 1,189 | 618.2 | 890.6 | 457.0 | 345.7 | 603.1 | 610.5 | 422.1 | 531.2 | 421.3 | 815.1 | 409.5 | 506.4 | 479.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-95-23 (Cont'd) | | | | | | | | | 7-00-4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Jun-00(G) | Jun-00 | (D)* | Sep-00 | Nov-00 | Dec-00 | Feb-01 | Mar-01 | Mar-01 | (D)* | May-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | 5.3 | <1 | 3.2 | 1.3 | 4.2 | 4.1 | <1 |
| n-Butylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <25 | <50 | <25 | <5 | <25 | <5 | <25 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 |
| Naphthalene | | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 5.3 | | 3.2 | 1.3 | 4.2 | 4.1 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | 7.6 | <5 | <10 | 9.6 | 10.4 | 7.3 | 8.1 | <5 | 5.4 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 |
| Chloroform | 80 | <3 | <15 | <30 | <15 | <3 | <15 | <3 | <15 | <3 | <1 | <1 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | 1.2 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.6 | <5 | <10 | <5 | 1.4 | <5 | 1.4 | <5 | 1.1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <10 | <20 | <10 | <2 | <10 | <2 | <10 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 196.0 | 108 | 156.0 | 185 | 224.0 | 165 | 161.0 | 130 | 125.0 | 2.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 30.0 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 287.0 | 166 | 194 | 236 | 265.0 | 211 | 225.0 | 192 | 160.0 | 1.6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 41.0 | <1 |
| Freon-113 | 1200 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-123A | | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <5 | <10 | <5 | <1 | <5 | <1 | <5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 493.2 | 274.0 | 350.0 | 430.6 | 500.8 | 383.3 | 395.5 | 322.0 | 291.5 | 4.1 | | | | | | | | | 75.5 | |
| Total Concentration of VOCs | | 493.2 | 274.0 | 350.0 | 430.6 | 500.8 | 383.3 | 395.5 | 322.0 | 291.5 | 4.1 | | | | 5.3 | | 3.2 | 1.3 | 4.2 | 79.6 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7-00-4(Cont'd) May-01 | Sep-01 | Nov-01 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | 4.5 | <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 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 4.5 | | 5.2 | | | 1.1 | | 6.1 | 0.53 | 8.9 | | 3.3 | | | | | | 2.6 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <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 | <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 | <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 | <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 | <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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 7.0 | <1 | <1 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | 7.0 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | 4.5 | | 5.2 | | | 8.1 | | 6.1 | 0.5 | 8.9 | | 3.3 | | | | | | 2.6 | |

# 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) | | | | | | | | | | | | | | | | 7B-95-21 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-04 | Aug-04 | 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 | Aug-95(G | Sep-95 | (S)* | Nov-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 3.7 | <1 | 1.4 | <1 | 2.8 | <0.5 | 2.6 | <1 | 6.8 | <1 | 1.8 | <1 | 5.1 | <1 | 3.4 | <1 | <100 | <1000 | <3000 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1000 | <3000 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <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 | <100 | <1000 | <3000 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 32.3 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1000 | <6000 | <2 |
| Total Aromatic Hydrocarbons | | 3.7 | | 1.4 | | 2.8 | | 2.6 | | 6.8 | | 1.8 | | 5.1 | | 3.4 | | | | | 32.3 |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1000 | <3000 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4000 | 5890 | 8100 | 4020 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 273.0 | <1000 | <3000 | 82.7 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 21.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <1000 | <3000 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 222.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 131.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 10.1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <6000 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 335.0 | <1000 | <3000 | 329.0 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 85,400 | 178,000 | 190,000 | 127,000 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 255.0 | <1000 | <3000 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 58,600 | 93,400 | 100,000 | 71,400 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <500 | <1000 | <3000 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <100 | <1000 | <3000 | 50.9 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | 148,863 | 277,290 | 298,100 | 203,267 |
| Total Concentration of VOCs | | 3.7 | | 1.4 | | 2.8 | | 2.6 | | 6.8 | | 1.8 | | 5.1 | | 3.4 | | 148,863 | 277,290 | 298,100 | 203,300 |

# 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) (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)* | Dec-97(G) | Dec-97 | Dec-97(G) | Jan-98(G) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| n-Butylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| sec-Butylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| ter-Butylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| 1,4-Dichlorobenzene | 5 | <3000 | <200 | 6.3 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Ethylbenzene | 300 | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Isopropylbenzene | | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 | <20 | <20 | <100 | <200 |
| p-Isopropyltoluene | | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | <500 | | | <25 | <50 | | | <50 | <50 | | <500 |
| Naphthalene | | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 | <20 | <20 | <100 | <200 |
| n-Propylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Toluene | 150 | <3000 | <100 | 20.2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <3000 | <200 | <2 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Xylenes, total | 1750 | <6000 | <200 | 6.0 | <200 | <20 | <2000 | <200 | <200 | <200 | <200 | <200 | <200 | <10 | <20 | <300 | <300 | <20 | <20 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | 32.5 | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Bromoform | 80 | <3000 | <200 | 9.9 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 | <20 | <20 | <100 | <200 |
| Carbon Tetrachloride | 0.5 | <3000 | 5180 | 2930 | 2412 | 1160 | 1800 | 1020 | 950.0 | 940.0 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | 18.9 | 32.4 | 390.0 | <100 |
| Chloroform | 80 | <3000 | 145.0 | 37.0 | <100 | 23.7 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| 1,1-Dichloroethane | 5 | <3000 | <100 | 9.9 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 | <20 | <20 | <100 | <200 |
| 1,1-Dichloroethene | 6 | <3000 | 148.0 | 133.0 | <100 | 154.0 | <900 | 237.0 | 240.0 | 240.0 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | 140.0 | <100 |
| cis-1,2-Dichloroethene | 6 | <3000 | 114.0 | 146.0 | <100 | 118.0 | <900 | 138.0 | 160.0 | 160.0 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | 16.1 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <3000 | <100 | 16.7 | <100 | 15.8 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Methylene Chloride | 5 | <6000 | <100 | <2 | <100 | <10 | <2000 | <100 | <200 | <200 | <100 | <200 | <200 | <5 | <10 | <300 | <300 | <10 | <10 | <200 | <100 |
| 1,1,1,2-Tetrachloroethane | | <3000 | <100 | <1 | <200 | <20 | <900 | <200 | <100 | <100 | <200 | <100 | <100 | <10 | <20 | <100 | <100 | <20 | <20 | <100 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Tetrachloroethene | 5 | 140,000 | 139,000 | 134,000 | 112,000 | 78,950 | 95,000 | 71,100 | 69,000 | 73,000 | 5610 | 5400 | 5000 | 5030 | 5180 | 5400 | 5000 | 16,600 | 17,000 | 43,000 | 8170 |
| 1,1,1-Trichloroethane | 200 | <3000 | 303.0 | 154.0 | 124.0 | 242.0 | <900 | 318.0 | 420.0 | 420.0 | <100 | <100 | <100 | 9.4 | <10 | <100 | <100 | 59.6 | 51.4 | 450.0 | <100 |
| 1,1,2-Trichloroethane | 5 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Trichloroethene | 5 | 71,000 | 50,700 | 45,050 | 22,300 | 16,400 | 19,000 | 15,000 | 18,000 | 18,000 | 169.0 | 180.0 | 180.0 | 54.8 | 132.0 | 170.0 | 150.0 | 393.0 | 520.0 | 8100 | <100 |
| Freon-113 | 1200 | <3000 | <100 | <1 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Freon-123A | | | <100 | <1 | <100 | <10 | | <100 | | | <100 | | | <5 | <10 | | | <10 | <10 | <100 | <100 |
| Vinyl Chloride | 0.5 | <3000 | <100 | 7.7 | <100 | <10 | <900 | <100 | <100 | <100 | <100 | <100 | <100 | <5 | <10 | <100 | <100 | <10 | <10 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 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 | 17,072 | 17,620 | 52,080 | 8,170 |
| Total Concentration of VOCs | | 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 | 17,072 | 17,620 | 52,080 | 8,170 |

# 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) 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 | May-00 | Sep-00 | (D)* | Oct-00(G) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| n-Butylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| sec-Butylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| ter-Butylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| 1,4-Dichlorobenzene | 5 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.83 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Ethylbenzene | 300 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Isopropylbenzene | | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 | <2 | <20 | <50 | <200 |
| p-Isopropyltoluene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Methyl tert-Butyl Ether | 13 | <250 | <50 | | <50 | | <50 | <0.5 | <30 | <25 | <25 | <0.5 | <5 | <25 | <250 | <50 | <5 | <5 | <50 | <50 | <500 |
| Naphthalene | | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 | <2 | <20 | <50 | <200 |
| n-Propylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Toluene | 150 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.76 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| 1,2,4-Trimethylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| 1,3,5-Trimethylbenzene | | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Xylenes, total | 1750 | <100 | <20 | <1 | <20 | <1 | <20 | <1 | <70 | <10 | <10 | <1 | <2 | <10 | <100 | <20 | <2 | <2 | <20 | <100 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | 1.59 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Bromoform | 80 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | 0.64 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 | <2 | <20 | <50 | <200 |
| Carbon Tetrachloride | 0.5 | <50 | <10 | 3.7 | <10 | <0.5 | 27.6 | 31.0 | 150.0 | <5 | <5 | 0.79 | <1 | <5 | <50 | <10 | <1 | <1 | 92.7 | 96.0 | 810.6 |
| Chloroform | 80 | <50 | <10 | <0.5 | <10 | 0.6 | <10 | 0.61 | <30 | <5 | <5 | <0.5 | <1 | 10.2 | <50 | <10 | <1 | <3 | <30 | <50 | <600 |
| 1,1-Dichloroethane | 5 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 8.4 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| 1,2-Dichloroethane | 0.5 | <100 | <20 | <0.5 | <20 | <0.5 | <20 | <0.5 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 | <2 | <20 | <50 | <200 |
| 1,1-Dichloroethene | 6 | <50 | <10 | 0.55 | <10 | <0.5 | <10 | <0.5 | 46.0 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| cis-1,2-Dichloroethene | 6 | <50 | <10 | 1.0 | <10 | 0.54 | <10 | 5.6 | <30 | <5 | <5 | 1.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| trans-1,2-Dichloroethene | 10 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Methylene Chloride | 5 | <50 | <10 | <1 | <10 | <1 | <10 | <1 | <70 | <5 | <5 | <1 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <100 | <20 | <0.5 | <20 | <0.5 | <20 | 13.0 | <30 | <10 | <10 | <0.5 | <2 | <10 | <100 | <20 | <2 | <2 | 27.8 | <50 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | 0.59 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Tetrachloroethene | 5 | 1645 | 2590 | 3300 | 912 | 1000 | 11,200 | 13,000 | 22,000 | 758 | 720 | 750 | 527 | 1,280 | 2850 | 1,450 | 422 | 43.1 | 9,692 | 13,000 | 40,076 |
| 1,1,1-Trichloroethane | 200 | <50 | <10 | 8.1 | <10 | 1.8 | <10 | 56.0 | 220.0 | <5 | <5 | 1.6 | <1 | <5 | <50 | <10 | 1.0 | <1 | 98.8 | 110.0 | 850.5 |
| 1,1,2-Trichloroethane | 5 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | 80.2 | <50 | 282.0 |
| Trichloroethene | 5 | <50 | 55.0 | 53.0 | <10 | 10.0 | 548.0 | 580.0 | 2000 | 52.2 | 12.3 | 16.0 | 29.2 | 44.9 | 77.1 | 108.0 | 14.5 | 1.8 | 1,599 | 1,900 | 15,953 |
| Freon-113 | 1200 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | 35.0 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Freon-123A | | <50 | <10 | | <10 | | <10 | | | <5 | <5 | | <1 | <5 | <50 | <10 | <1 | <1 | <10 | | <100 |
| Vinyl Chloride | 0.5 | <50 | <10 | <0.5 | <10 | <0.5 | <10 | <0.5 | <30 | <5 | <5 | <0.5 | <1 | <5 | <50 | <10 | <1 | <1 | <10 | <50 | <100 |
| Total Halogenated Hydrocarbons | | 1,645 | 2,645 | 3,366 | 912 | 1,013 | 11,776 | 13,696 | 24,451 | 810.2 | 732.3 | 769.9 | 556.2 | 1,335 | 2927.1 | 1,558 | 437.5 | 44.9 | 11,591 | 15,106 | 57,972 |
| Total Concentration of VOCs | | 1,645 | 2,645 | 3,366 | 912 | 1,013 | 11,776 | 13,697 | 24,451 | 810.2 | 732.3 | 769.9 | 556.2 | 1,335 | 2,927 | 1,558 | 437.5 | 44.9 | 11,591 | 15,106 | 57,972 |

# 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) 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 | Apr-03 | Apr-03 | May-03 | May-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| 1,4-Dichlorobenzene | 5 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | 0.64 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <2500 | <500 | <5 | 0.5 | <2500 | <20 | <500 | <0.5 | <500 | <500 | <500 | <500 | <5000 | <50 | <0.5 | <5 | <5 | <50 | <50 | <50 |
| Naphthalene | | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Toluene | 150 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | 0.7 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <1000 | <200 | <2 | <1 | <1000 | <30 | <200 | <1 | <200 | <200 | <200 | <200 | <2000 | <20 | <1 | <2 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | 0.5 | | | | 1.34 | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Bromoform | 80 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 | <2 | <20 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | 710.7 | 536.6 | 39.2 | 39.0 | <500 | 31.0 | <100 | 84.0 | <100 | <100 | <100 | 211.8 | <1000 | <10 | <0.5 | 2.1 | <1 | <10 | 19.4 | 27.7 |
| Chloroform | 80 | <1500 | <300 | <3 | 0.96 | <1500 | <20 | <300 | 1.7 | <300 | <300 | <300 | <300 | <300 | <30 | <0.5 | <3 | <3 | <30 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <1000 | <200 | <2 | <0.5 | <1000 | <20 | <200 | <0.5 | <200 | <200 | <200 | <200 | <2000 | <20 | <0.5 | <2 | <2 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <500 | <100 | 3.8 | 3.3 | <500 | <20 | <100 | 9.0 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | <500 | <100 | 2.6 | 3.0 | <500 | <20 | <100 | 1.3 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | 1.4 | <1 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | 10 | <500 | <100 | 2.4 | 2.2 | <500 | <20 | <100 | 0.64 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <500 | <100 | <1 | <1 | <500 | 47.0 | <100 | <1 | <100 | <100 | <100 | <100 | <1000 | <10 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <200 | 3.8 | 3.9 | <1000 | <20 | <200 | 17.0 | <200 | <200 | <200 | <200 | <2000 | <10 | <0.5 | 7.1 | 3.3 | <10 | 28.0 | 34.9 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 49,953 | 36,062 | 7,017 | 6,800 | 14,007 | 13,000 | 9,644 | 11,000 | 3,498 | 3,367 | 13,239 | 52,719 | 41,037 | 57.6 | 55.0 | 4,350 | 1,330 | 3,910 | 15,200 | 16,700 |
| 1,1,1-Trichloroethane | 200 | 542.2 | 439.2 | 23.1 | 22.0 | <500 | 24.0 | <100 | 31.0 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <500 | <100 | <1 | <0.5 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 9,193 | 8,210 | 339.0 | 260.0 | 1,426 | 1,200 | 1,101 | 1,100 | 351.4 | 361.4 | 550.9 | 3,226 | 3,925 | <10 | <0.5 | 88.8 | 30.6 | 126.0 | 707.0 | 901.0 |
| Freon-113 | 1200 | <500 | <100 | <1 | <0.5 | <500 | <30 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Freon-123A | | <500 | <100 | <1 | | <500 | | <100 | | <100 | <100 | <100 | <100 | <1000 | <10 | | <1 | <1 | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | <500 | <100 | <1 | 0.65 | <500 | <20 | <100 | <0.5 | <100 | <100 | <100 | <100 | <1000 | <10 | <0.5 | <1 | <1 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 60,400 | 45,247 | 7430.9 | 7,135 | 15,433 | 14,302 | 10,745 | 12,245 | 3,849 | 3,728 | 13,790 | 56,157 | 44,961 | 57.6 | 55.0 | 4449.4 | 1363.9 | 4,036 | 15,954 | 17,664 |
| Total Concentration of VOCs | | 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 | 57.6 | 55.0 | 4,449 | 1,364 | 4,036 | 15,954 | 17,664 |

# 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-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* | Aug-05 | Oct-05 | Feb-06 | Feb-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | 1.5 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <500 | <500 | <50 | <0.5 | <250 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <50 | <5 | <5 | <5 |
| Naphthalene | | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Toluene | 150 | 2.3 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <200 | <200 | <20 | <1 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 3.8 | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 49.8 | <100 | <100 | <10 | 8.1 | <50 | <10 | <10 | <1 | <1 | 2.8 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Chloroform | 80 | 10.5 | <300 | <300 | <30 | 1.6 | <150 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <30 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <200 | <200 | <20 | <0.5 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 2.9 | <100 | <100 | <10 | 1.3 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 7.0 | <100 | <100 | 30.3 | 24.0 | <50 | 11.4 | <10 | 14.8 | 9.4 | 13.1 | 6.0 | <1 | 1.5 | <1 | 3.6 | 12.6 | 9.5 | <1 | 5.6 |
| trans-1,2-Dichloroethene | 10 | 4.6 | <100 | <100 | <10 | 13.0 | <50 | <10 | <10 | 12.1 | 5.9 | 9.5 | 3.9 | <1 | <1 | <1 | 2.1 | 12.2 | 7.3 | <1 | 6.7 |
| Methylene Chloride | 5 | <1 | <100 | <100 | <10 | <1 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | 59.7 | <200 | <200 | <10 | 1.7 | <100 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 24,100 | 10,500 | 2,990 | 2,590 | 440.0 | 1,300 | 374.0 | 152.0 | 457.0 | 317.0 | 1,170 | 244.0 | 59.5 | 77.2 | 26.0 | 100.0 | 389.0 | 327.0 | 29.3 | 155.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1,200 | 501.0 | 320.0 | 581.0 | 120.0 | 289.0 | 119.0 | 18.2 | 225.0 | 111.0 | 137.0 | 59.5 | 18.9 | 19.4 | 3.6 | 52.0 | 201.0 | 240.0 | 8.2 | 96.1 |
| Freon-113 | 1200 | <1 | <100 | <100 | <10 | <0.5 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Freon-123A | | <1 | <100 | <100 | <10 | | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <100 | <100 | <10 | 0.96 | <50 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 25,435 | 11,001 | 3,310 | 3,201 | 610.66 | 1,589 | 504.4 | 170.2 | 708.9 | 443.3 | 1332.4 | 313.4 | 78.4 | 98.1 | 29.6 | 157.7 | 614.8 | 583.8 | 37.5 | 263.4 |
| Total Concentration of VOCs | | 25,438 | 11,001 | 3,310 | 3,201 | 610.7 | 1,589 | 504.4 | 170.2 | 708.9 | 443.3 | 1,332 | 313.4 | 78.4 | 98.1 | 29.6 | 157.7 | 614.8 | 583.8 | 37.5 | 263.4 |

# 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 | 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 | Dec-95(G) | Dec-95(G) | Jan-96 (G) | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <20 | <2 | <100 | <300 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <100 | <600 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <100 | <300 |
| Carbon Tetrachloride | 0.5 | <1 | 2.7 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 156.0 | 3.7 | 378.0 | 550.0 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <10 | 51.1 | <50 | <300 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 18.0 | 1.8 | <50 | <300 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 42.6 | 7.3 | 160.0 | <300 |
| cis-1,2-Dichloroethene | 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 | 605.0 | 41.6 | 623.0 | 630.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | 7.1 | 11.3 | 2.6 | <1 | <1 | 8.3 | <5 | <1 | <1 | 9.3 | 17.6 | <1 | 3.4 | 4.7 | <10 | <1 | <50 | <300 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <600 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <1 | <50 | <300 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| Tetrachloroethene | 5 | 32.8 | 1000 | 169.0 | 159.0 | 77 | 187.0 | 122.0 | 227.0 | 54.5 | 52.7 | 106.0 | 154.0 | 158.0 | 119.0 | 79.9 | 91.3 | 11,000 | 1870 | 25,500 | 18,000 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| Trichloroethene | 5 | 3.9 | 26.6 | 118.0 | 196.0 | 60 | 32.9 | 6.5 | 256.0 | <5 | 5.3 | 17.0 | 222.0 | 220.0 | 14.3 | 102.0 | 114.0 | 5750 | 560 | 10,075 | 9900 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | <300 |
| Freon-123A | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <50 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.5 | <5 | <1 | <1 | 1.6 | 4.4 | <1 | <1 | <1 | 15.1 | 2.1 | <50 | <300 |
| Total Halogenated Hydrocarbons | | 36.7 | 1029.3 | 300.1 | 379.5 | 142.7 | 219.9 | 128.5 | 502.3 | 54.5 | 58.0 | 123.0 | 398.3 | 419.8 | 133.3 | 189.8 | 216.2 | 17,587 | 2537.6 | 36,736 | 29,080 |
| Total Concentration of VOCs | | 36.7 | 1,029 | 300.1 | 379.5 | 142.7 | 219.9 | 128.5 | 502.3 | 54.5 | 58.0 | 123.0 | 398.3 | 419.8 | 133.3 | 189.8 | 216.2 | 17,587 | 2,538 | 36,736 | 29,080 |

# 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) Mar-96 | Jun-96 | Sep-96 | (D)* | Nov-96 | (D)* | Mar-97 | (D)* | Jun-97 | (D)* | Sep-97 | (D)* | Dec-97 | Mar-98 | Jun-98 | (D)* | Sep-98 | Dec-98 | Mar-99 | Jun-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| n-Butylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| sec-Butylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| ter-Butylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| 1,4-Dichlorobenzene | 5 | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | 0.87 | <100 | <100 | <100 | <100 | <100 | 0.60 | <100 | <10 | <100 | <50 |
| Ethylbenzene | 300 | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Isopropylbenzene | | <10 | <1 | <100 | <600 | <20 | <700 | <200 | <50 | <200 | <0.5 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <20 | <200 | <100 |
| p-Isopropyltoluene | | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Methyl tert-Butyl Ether | 13 | | | | | | | <500 | <50 | <500 | <0.5 | <500 | <100 | <500 | <500 | <500 | <0.5 | <500 | <50 | <500 | <250 |
| Naphthalene | | <10 | <1 | <100 | <600 | <20 | <700 | <200 | <50 | <200 | <0.5 | <200 | <100 | <200 | <200 | <200 | <0.5 | <200 | <20 | <200 | <100 |
| n-Propylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Toluene | 150 | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| 1,2,4-Trimethylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| 1,3,5-Trimethylbenzene | | <20 | <2 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Xylenes, total | 1750 | <20 | <2 | <100 | <2000 | <20 | <2000 | <200 | <100 | <200 | <1 | <200 | <200 | <200 | <200 | <200 | <1 | <200 | <20 | <200 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 0.87 | | | | | | 0.60 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Bromoform | 80 | <20 | 1.8 | <100 | <600 | <20 | <700 | <200 | <50 | <200 | 2.3 | <200 | <100 | <200 | <200 | <200 | 1.3 | <200 | <20 | <200 | <100 |
| Carbon Tetrachloride | 0.5 | 538.0 | 308.0 | 588.0 | 740.0 | 1064 | 970.0 | 549.0 | 540.0 | 806.0 | 690.0 | 697.0 | 930.0 | 702.0 | 497.0 | 396.0 | 440.0 | 520.0 | 801.0 | 406.0 | 295.0 |
| Chloroform | 80 | 39.1 | 15.4 | <50 | <600 | 19.2 | <700 | <100 | <50 | <100 | 13.0 | <100 | <100 | <100 | <100 | <100 | 10.0 | <100 | 14.5 | <100 | <50 |
| 1,1-Dichloroethane | 5 | 39.2 | 32.9 | <50 | <600 | 22.6 | 33.0 | <100 | <50 | <100 | 24.0 | <100 | <100 | <100 | <100 | <100 | 22.0 | <100 | 20.8 | <100 | <50 |
| 1,2-Dichloroethane | 0.5 | <10 | <1 | <100 | <600 | <20 | <700 | <200 | <50 | <200 | 1.6 | <200 | <100 | <200 | <200 | <200 | 1.4 | <200 | <20 | <200 | <100 |
| 1,1-Dichloroethene | 6 | 108.0 | 137.0 | 92.5 | <600 | 107.0 | 140.0 | <100 | 99.0 | <100 | 100.0 | <100 | 110.0 | <100 | <100 | <100 | 70.0 | <100 | 76.6 | <100 | <50 |
| cis-1,2-Dichloroethene | 6 | 830.0 | 720.0 | 549.0 | 670.0 | 575.0 | 770.0 | 526.0 | 520.0 | 480.0 | 450.0 | 417.0 | 570.0 | 390.0 | 630.0 | 399.0 | 530.0 | 414.0 | 560.0 | 480.0 | 387.0 |
| trans-1,2-Dichloroethene | 10 | 15.8 | 21.7 | <50 | <600 | 11.0 | <700 | <100 | <50 | <100 | 15.0 | <100 | <100 | <100 | <100 | <100 | 13.0 | <100 | 10.0 | <100 | <50 |
| Methylene Chloride | 5 | <10 | <1 | <50 | <2000 | <10 | <2000 | <100 | <100 | <100 | 1.1 | <100 | <200 | <100 | <100 | <100 | <1 | <100 | <10 | <100 | <50 |
| 1,1,1,2-Tetrachloroethane | | <10 | 25.6 | <100 | <600 | <20 | <700 | <200 | <50 | <200 | 26.0 | <200 | <100 | <200 | <200 | <200 | 19.0 | <200 | <20 | <200 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <0.5 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Tetrachloroethene | 5 | 21,800 | 21,800 | 27,900 | 29,000 | 33,200 | 35,000 | 23,440 | 20,000 | 23,700 | 24,000 | 26,000 | 32,000 | 27,200 | 16,500 | 15,600 | 17,000 | 17,400 | 24,900 | 15,400 | 12,800 |
| 1,1,1-Trichloroethane | 200 | 28.5 | 33.2 | <50 | <600 | 23.7 | <700 | <100 | <50 | <100 | 22.0 | <100 | <100 | <100 | <100 | <100 | 12.0 | <100 | 13.0 | <100 | <50 |
| 1,1,2-Trichloroethane | 5 | <10 | 2.6 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | 0.58 | <100 | <100 | <100 | <100 | <100 | <0.5 | <100 | <10 | <100 | <50 |
| Trichloroethene | 5 | 8440 | 5900 | 10,510 | 11,000 | 12,900 | 14,000 | 7810 | 7500 | 10,700 | 9300 | 9,000 | 12,000 | 9,600 | 9,240 | 5,410 | 5,600 | 8,670 | 10,600 | 5,030 | 4,760 |
| Freon-113 | 1200 | <10 | <1 | <50 | <600 | <10 | <700 | <100 | <50 | <100 | <50 | <100 | <100 | <100 | <100 | <100 | 0.58 | <100 | <10 | <100 | <50 |
| Freon-123A | | <10 | <1 | <50 | | <10 | | <100 | | <100 | | <100 | | <100 | <100 | <100 | | <100 | <10 | <100 | <50 |
| Vinyl Chloride | 0.5 | 55.8 | 60.3 | <50 | <600 | 29.1 | <700 | <100 | <50 | <100 | 38.0 | <100 | <100 | <100 | <100 | <100 | 59.0 | <100 | 36.8 | <100 | <50 |
| Total Halogenated Hydrocarbons | | 31,894 | 29,059 | 39,640 | 41,410 | 47,952 | 50,913 | 32,325 | 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 |
| Total Concentration of VOCs | | 31,894 | 29,059 | 39,640 | 41,410 | 47,952 | 50,913 | 32,325 | 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 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-99 | Dec-99* | (D)* | Mar-00 | (D)* | May-00 | (D)* | Sep-00 | (D)* | Dec-00 | (D)* | Mar-01 | (D)* | Jun-01 | (D)* | Sep-01 | (D)* | Dec-01 | (D)* | Mar-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | 0.50 | <500 | <0.5 | <500 | <50 | <500 |
| n-Butylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| sec-Butylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| ter-Butylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| 1,4-Dichlorobenzene | 5 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | 0.59 | <500 | 0.52 | <500 | 0.83 | <500 | <50 | <500 |
| Ethylbenzene | 300 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Isopropylbenzene | | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 | <1000 | <900 | <400 | <1000 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <50 | <1000 |
| p-Isopropyltoluene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Methyl tert-Butyl Ether | 13 | <2500 | <200 | <200 | <250 | <10 | <500 | <0.5 | <2500 | <900 | <1000 | <1000 | <2500 | <0.5 | <2500 | <0.5 | <2500 | <0.5 | <2500 | <50 | <2500 |
| Naphthalene | | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 | <1000 | <900 | <400 | <1000 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <0.5 | <1000 | <50 | <1000 |
| n-Propylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Toluene | 150 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| 1,2,4-Trimethylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| 1,3,5-Trimethylbenzene | | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Xylenes, total | 1750 | <1000 | <300 | <300 | <100 | <30 | <200 | <1 | <1000 | <2000 | <400 | <2000 | <1000 | <1 | <1000 | <1 | <1000 | <1 | <1000 | <100 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 0.59 | | 1.02 | | 0.83 | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Bromoform | 80 | <1000 | <200 | <200 | <100 | <10 | <200 | <0.5 | <1000 | <900 | <400 | <1000 | <1000 | 3.0 | <1000 | 0.79 | <1000 | <0.5 | <1000 | <50 | <1000 |
| Carbon Tetrachloride | 0.5 | <500 | 570.0 | 510.0 | 578.0 | 340.0 | 324.0 | 190.0 | 509.1 | <900 | 599.8 | <1000 | 631.6 | 420.0 | <500 | 310.0 | 729.3 | 390.0 | 821.9 | 690.0 | <500 |
| Chloroform | 80 | <500 | <200 | <200 | <50 | 13.0 | <100 | 11.0 | <1500 | <900 | <600 | <1000 | <1500 | 13.0 | <1500 | 14.0 | <1500 | 14.0 | <1500 | <50 | <1500 |
| 1,1-Dichloroethane | 5 | <500 | <200 | <200 | <50 | 17.0 | <100 | 17.0 | <500 | <900 | <200 | <1000 | <500 | 17.0 | <500 | 20.0 | <500 | 15.0 | <500 | <50 | <500 |
| 1,2-Dichloroethane | 0.5 | <100 | <200 | <200 | <100 | <10 | <200 | 1.5 | <1000 | <900 | <400 | <1000 | <1000 | 1.8 | <1000 | 1.7 | <1000 | 1.6 | <1000 | <50 | <1000 |
| 1,1-Dichloroethene | 6 | <500 | <200 | <200 | 65.7 | 53.0 | <100 | 49.0 | <500 | <900 | <200 | <1000 | <500 | 65.0 | <500 | 56.0 | <500 | 73.0 | <500 | 130.0 | <500 |
| cis-1,2-Dichloroethene | 6 | <500 | 460.0 | 460.0 | 442.0 | 360.0 | 508.0 | 320.0 | <500 | <900 | 312.7 | <1000 | <500 | 320.0 | <500 | 384.0 | <500 | 300.0 | <500 | 360.0 | <500 |
| trans-1,2-Dichloroethene | 10 | <500 | <200 | <200 | <50 | 11.0 | <100 | 17.0 | <500 | <900 | <200 | <1000 | <500 | 11.0 | <500 | 10.0 | <500 | 9.1 | <500 | <50 | <500 |
| Methylene Chloride | 5 | <500 | <300 | <300 | <50 | <30 | <100 | <1 | <500 | <2000 | <200 | <2000 | <500 | <1 | <500 | 0.71 | <500 | <1 | <500 | <100 | <500 |
| 1,1,1,2-Tetrachloroethane | | <1000 | <200 | <200 | <100 | <10 | <200 | 12.0 | <1000 | <900 | <400 | <1000 | <1000 | 22.0 | <1000 | 15.0 | <1000 | 33.0 | <1000 | <50 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | <0.5 | <500 | <50 | <500 |
| Tetrachloroethene | 5 | 16,400 | 19,000 | 18,000 | 18,000 | 13,000 | 17,400 | 9,200 | 18,212 | 21,000 | 25,282 | 23,000 | 28,368 | 18,000 | 16,090 | 11,000 | 25,513 | 18,000 | 31,825 | 33,000 | 16,728 |
| 1,1,1-Trichloroethane | 200 | <500 | <200 | <200 | <50 | <10 | <100 | 5.6 | <500 | <900 | <200 | <1000 | <500 | 6.7 | <500 | 5.2 | <500 | 8.7 | <500 | <50 | <500 |
| 1,1,2-Trichloroethane | 5 | <500 | <200 | <200 | <50 | <10 | <100 | 1.0 | <500 | <900 | <200 | <1000 | <500 | 1.0 | <500 | 1.2 | <500 | 1.4 | <500 | <50 | <500 |
| Trichloroethene | 5 | 8,100 | 8,500 | 8,600 | 5,460 | 5,000 | 6,040 | 3,500 | 6,517 | 6,600 | 9,100 | 12,000 | 7,677 | 5,800 | 5,282 | 4,800 | 9,155 | 7,500 | 10,906 | 10,000 | 6,458 |
| Freon-113 | 1200 | <500 | <200 | <200 | <50 | <10 | <100 | <0.5 | <500 | <900 | <200 | <1000 | <500 | <0.5 | <500 | <0.5 | <500 | 0.61 | <500 | <50 | <500 |
| Freon-123A | | <500 | | | <50 | | <100 | | <500 | | <200 | | <500 | | <500 | | <500 | | <500 | | <500 |
| Vinyl Chloride | 0.5 | <500 | <200 | <200 | <50 | 26.0 | <100 | 26.0 | <500 | <900 | <200 | <1000 | <500 | 24.0 | <500 | 24.0 | <500 | 27.0 | <500 | <50 | <500 |
| Total Halogenated Hydrocarbons | | 24,500 | 28,530 | 27,570 | 24,546 | 18,820 | 24,272 | 13,350 | 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 |
| Total Concentration of VOCs | | 24,500 | 28,530 | 27,570 | 24,546 | 18,820 | 24,272 | 13,350 | 25,238 | 27,600 | 35,294 | 35,000 | 36,676 | 24,705 | 21,372 | 16,644 | 35,396 | 26,374 | 43,553 | 44,180 | 23,186 |

# 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-02 | (D)* | Sep-02 | (D)* | Nov-02 | (D)* | Feb-03 | (D)* | Apr-03 | (D)* | Jul-03 | Aug-03 | Sep-03 | (D)* | Dec-03 | (D)* | Jan-04 | Mar-04 | May-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| n-Butylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| sec-Butylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| ter-Butylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| 1,4-Dichlorobenzene | 5 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 0.50 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Ethylbenzene | 300 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Isopropylbenzene | | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 |
| p-Isopropyltoluene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Methyl tert-Butyl Ether | 13 | <30 | <2500 | <30 | <2500 | <20 | <2500 | <300 | <2500 | <0.5 | <500 | <10 | <500 | <500 | <2500 | <0.5 | <500 | <5 | <500 | <500 | <250 |
| Naphthalene | | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 |
| n-Propylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Toluene | 150 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| 1,2,4-Trimethylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| 1,3,5-Trimethylbenzene | | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Xylenes, total | 1750 | <50 | <1000 | <50 | <1000 | <30 | <1000 | <500 | <1000 | <1 | <200 | <20 | <200 | <200 | <1000 | <1 | <200 | <10 | <200 | <200 | <100 |
| Total Aromatic Hydrocarbons | | 0.0 | | | | | | | | 0.50 | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Bromoform | 80 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 |
| Carbon Tetrachloride | 0.5 | 400.0 | <500 | 360.0 | 510.3 | 400.0 | 721.1 | 590.0 | <500 | 180.0 | 130.0 | 120.0 | 124.0 | <100 | <500 | 75.0 | <100 | 54.0 | <100 | <100 | <50 |
| Chloroform | 80 | <30 | <1500 | <30 | <1500 | <20 | <1500 | <300 | <1500 | 6.7 | <300 | <10 | <300 | <300 | <1500 | 7.5 | <300 | <5 | <300 | <300 | <150 |
| 1,1-Dichloroethane | 5 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 13.0 | <100 | 10.0 | <100 | <100 | <500 | 7.2 | <100 | <5 | <100 | <100 | <50 |
| 1,2-Dichloroethane | 0.5 | <30 | <1000 | <30 | <1000 | <20 | <1000 | <300 | <1000 | <0.5 | <200 | <10 | <200 | <200 | <1000 | 0.82 | <200 | <5 | <200 | <200 | <100 |
| 1,1-Dichloroethene | 6 | 64.0 | <500 | 57.0 | <500 | 68.0 | <500 | <300 | <500 | 55.0 | <100 | 34.0 | <100 | <100 | <500 | 21.0 | <100 | 14.0 | <100 | <100 | <50 |
| cis-1,2-Dichloroethene | 6 | 310.0 | <500 | 290.0 | <500 | 240.0 | <500 | <300 | <500 | 290.0 | 230.0 | 260.0 | 129.0 | <100 | <500 | 130.0 | 118.0 | 86.0 | <100 | 137.0 | 56.4 |
| trans-1,2-Dichloroethene | 10 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 8.9 | <100 | <10 | <100 | <100 | <500 | 2.3 | <100 | <5 | <100 | <100 | <50 |
| Methylene Chloride | 5 | 190.0 | <500 | <50 | <500 | <30 | <500 | <500 | <500 | <1 | <100 | 140.0 | <100 | <100 | <500 | <1 | <100 | <10 | <100 | <100 | <50 |
| 1,1,1,2-Tetrachloroethane | | <30 | <1000 | <30 | <1000 | 29.0 | <1000 | <300 | <1000 | 12.0 | <200 | <10 | <200 | <200 | <1000 | <0.5 | <200 | <5 | <200 | <200 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | <0.5 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Tetrachloroethene | 5 | 14,000 | 17,163 | 17,000 | 23,850 | 24,000 | 30,882 | 24,000 | 13,100 | 11,000 | 9,330 | 8,400 | 6,930 | 6,280 | 6,260 | 1,800 | 3,450 | 3,000 | 1,510 | 3,580 | 1,570 |
| 1,1,1-Trichloroethane | 200 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 4.1 | <100 | <10 | <100 | <100 | <500 | 0.94 | <100 | <5 | <100 | <100 | <50 |
| 1,1,2-Trichloroethane | 5 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 1.0 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Trichloroethene | 5 | 5,400 | 5,908 | 5,600 | 7,996 | 7,200 | 8,880 | 7,600 | 3,650 | 3,100 | 2,120 | 1,800 | 1,830 | 1,920 | 1,490 | 1,300 | 1,030 | 800.0 | 463.0 | 937.0 | 434.0 |
| Freon-113 | 1200 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 0.94 | <100 | <10 | <100 | <100 | <500 | <0.5 | <100 | <5 | <100 | <100 | <50 |
| Freon-123A | | | <500 | | <500 | | <500 | | <500 | | <100 | | <100 | <100 | <500 | | <100 | | <100 | <100 | <50 |
| Vinyl Chloride | 0.5 | <30 | <500 | <30 | <500 | <20 | <500 | <300 | <500 | 28.0 | <100 | 16.0 | <100 | <100 | <500 | 2.3 | <100 | <5 | <100 | <100 | <50 |
| Total Halogenated Hydrocarbons | | 20,364 | 23,071 | 23,307 | 32,356 | 31,937 | 40,483 | 32,190 | 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 |
| Total Concentration of VOCs | | 20,364 | 23,071 | 23,307 | 32,356 | 31,937 | 40,483 | 32,190 | 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 |

# 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-04 | (D)* | Nov-04 | (D)* | Feb-05 | Jun-05 | (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <100 | <1 | <100 | <3 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <20 | <250 | <1 | <250 | <3 | <5 | <50 | <1 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <100 | <1 | <100 | <3 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <30 | <100 | <2 | <100 | <5 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <100 | <1 | <100 | <3 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <20 | <50 | 7.7 | <50 | 8.0 | 2.7 | <10 | 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 |
| Chloroform | 80 | <20 | <150 | 2.2 | <150 | 3.6 | <3 | <30 | 0.98 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <20 | <50 | 1.9 | <50 | <3 | <1 | <10 | 0.42 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <100 | <1 | <100 | <3 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <20 | <50 | 5.4 | <50 | 5.0 | <1 | <10 | 1.4 | <1 | <1 | 1.8 | <1 | <1 | <1 | 2.3 | 1.5 | 1.2 | 2.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 50.0 | <50 | 33.0 | <50 | 26.0 | 14.7 | <10 | 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 |
| trans-1,2-Dichloroethene | 10 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | 66.0 | <50 | <1 | <50 | <5 | <1 | <10 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <100 | <1 | <100 | <3 | <2 | <20 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1,100 | 653.0 | 570.0 | 593.0 | 600.0 | 268.0 | 269 | 180.0 | 177.0 | 156.0 | 129.0 | 106.0 | 105.0 | 105.0 | 137.0 | 78.1 | 81.8 | 431.0 | 93.8 | 102.0 |
| 1,1,1-Trichloroethane | 200 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 340.0 | 149.0 | 130.0 | 201.0 | 180.0 | 41.8 | 65.7 | 50.0 | 72.3 | 65.7 | 41.3 | 22.1 | 20.3 | 22.7 | 35.5 | 21.1 | 18.6 | 109.0 | 23.7 | 28.3 |
| Freon-113 | 1200 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | | <50 | | <50 | | <1 | <10 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <20 | <50 | <1 | <50 | <3 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,556 | 802.0 | 750.2 | 794.0 | 822.6 | 327.2 | 334.7 | 242.7 | 260.9 | 229.3 | 179.4 | 134.1 | 129.4 | 133.4 | 182.9 | 105.8 | 106.6 | 557.6 | 123.0 | 135.0 |
| Total Concentration of VOCs | | 1,556 | 802.0 | 750.2 | 794.0 | 822.6 | 327.2 | 334.7 | 242.7 | 260.9 | 229.3 | 179.4 | 134.1 | 129.4 | 133.4 | 182.9 | 105.8 | 106.6 | 557.6 | 123.0 | 135.0 |

# 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 (continued) | | | | | | | | | | | | 7B-95-25 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07* | (D)* | Jan-96(G) | (D) (G)* | Mar-96 | Jun-96(G) | Sep-96* | (D) | Nov-96 | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| n-Butylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| sec-Butylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| ter-Butylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| Isopropylbenzene | | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | | | <10 | <80 | <1 | <1 | <2 | <20 | <10 | <10 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <50 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | <25 |
| Naphthalene | | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | | | <10 | <80 | <1 | <1 | <2 | <20 | <10 | <10 |
| n-Propylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| Toluene | 150 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | 1.5 | <2 | <10 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <20 | <80 | <2 | <2 | <2 | <10 | <5 | <5 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <20 | <200 | <2 | <2 | <4 | <20 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 1.5 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Bromoform | 80 | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <20 | <80 | <2 | <2 | <2 | <20 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | 2.2 | <10 | <5 | <1 | <1 | 1.2 | <1 | 2.8 | 2.0 | 2.4 | 2.6 | <10 | 0.7 | <1 | 5.0 | 13.0 | <10 | <5 | <5 |
| Chloroform | 80 | <30 | <3 | <30 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <10 | <80 | 1.1 | 1.5 | 2.2 | <10 | <5 | <5 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | 0.8 | <1 | 2.3 | 2.4 | <10 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <20 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <10 | 1.5 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 13.1 | 4.7 | 21.3 | 57.4 | 78.0 | 59.0 | <5 | 8.1 |
| cis-1,2-Dichloroethene | 6 | <10 | 2.8 | <10 | <5 | 1.8 | 3.2 | 1.8 | 3.0 | <1 | <1 | <0.5 | <0.5 | 27.1 | 20.0 | 61.2 | 42.8 | 32.0 | 27.8 | 23.7 | 5.7 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | 0.8 | 2.0 | 1.6 | <2 | <10 | <5 | <5 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <200 | <1 | <1 | <4 | <10 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <20 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <10 | 4.8 | <1 | <1 | 23.0 | <20 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Tetrachloroethene | 5 | 107.0 | 95.3 | 52.5 | 56.7 | 47.5 | 64.1 | 54.0 | 55.4 | 105.0 | 76.2 | 90.0 | 99.0 | 6280 | 4000 | 8100 | 12,300 | 16,000 | 12,600 | 6440 | 1990 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 46.2 | 35.0 | 113.0 | 203.0 | 100.0 | 111.0 | 37.2 | 7.4 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Trichloroethene | 5 | 37.8 | 26.8 | <10 | 16 | 9.7 | 17.7 | 13.4 | 16.7 | 24.0 | 16.1 | 23 | 25 | 136.0 | 110.0 | 171.0 | 225.0 | 610.0 | 731.0 | 273.0 | 92.5 |
| Freon-113 | 1200 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Freon-123A | | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | | <10 | | <1 | <1 | | <10 | <5 | <5 |
| Vinyl Chloride | 0.5 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <10 | <80 | <1 | <1 | <2 | <10 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 144.8 | 128.6 | 52.5 | 72.7 | 59.0 | 85.0 | 70.4 | 75.1 | 131.8 | 94.3 | 115.4 | 126.6 | 6,502 | 4,177 | 8,470 | 12,839 | 16,861 | 13,529 | 6773.9 | 2103.7 |
| Total Concentration of VOCs | | 144.8 | 128.6 | 52.5 | 72.7 | 59.0 | 85.0 | 70.4 | 75.1 | 131.8 | 94.3 | 115.4 | 126.6 | 6,502 | 4,177 | 8,470 | 12,840 | 16,861 | 13,529 | 6,774 | 2,104 |

# 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) 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 | Nov-00 | Mar-01 | Jun-01 | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| n-Butylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| sec-Butylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| ter-Butylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Ethylbenzene | 300 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Isopropylbenzene | | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| p-Isopropyltoluene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <500 | <5 | <0.5 | <25 | <5 | <50 | <5 | <25 | <25 | <5 | <25 | <50 | <5 | <50 | <5 | <50 | <5 | <500 | <5 |
| Naphthalene | | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| n-Propylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Toluene | 150 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Xylenes, total | 1750 | <20 | <200 | <2 | <1 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Bromoform | 80 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Chloroform | 80 | <10 | <100 | <1 | 0.81 | <5 | 2.7 | <10 | 6.0 | <5 | <5 | 2.4 | <5 | <10 | <1 | <30 | <3 | <30 | <3 | <300 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| 1,1-Dichloroethene | 6 | 11.2 | <100 | <1 | 0.88 | <5 | <1 | <10 | <1 | <5 | <5 | 2.7 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | 1.8 |
| cis-1,2-Dichloroethene | 6 | 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 | <10 | 16.7 | <100 | 10.6 |
| trans-1,2-Dichloroethene | 10 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Methylene Chloride | 5 | <10 | <100 | <1 | <1 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <200 | <2 | <0.5 | <10 | <2 | <20 | <2 | <10 | <10 | <2 | <10 | <20 | <2 | <20 | <2 | <20 | <2 | <200 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Tetrachloroethene | 5 | 2710 | 2570 | 593.0 | 710.0 | 1040 | 578.0 | 1150 | 147.0 | 216.0 | 418.0 | 4620 | 588.0 | 707.0 | 176.0 | 160.0 | 565.2 | 404.1 | 152.4 | 191.4 | 559.8 |
| 1,1,1-Trichloroethane | 200 | 10.0 | <100 | 1.7 | 2.2 | <5 | 1.7 | <10 | <1 | <5 | <5 | 1.1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | 2.9 | <10 | <1 | <100 | <1 |
| Trichloroethene | 5 | 134.0 | 107.0 | 16.4 | 17.0 | 46.2 | 30.0 | 59.9 | 4.0 | <5 | 11.8 | 39.1 | 47.2 | 44.0 | 9.3 | <10 | 25.6 | 25.6 | 6.6 | <100 | 31.7 |
| Freon-113 | 1200 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Freon-123A | | <10 | <100 | <1 | | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Vinyl Chloride | 0.5 | <10 | <100 | <1 | <0.5 | <5 | <1 | <10 | <1 | <5 | <5 | <1 | <5 | <10 | <1 | <10 | <1 | <10 | <1 | <100 | <1 |
| Total Halogenated Hydrocarbons | | 2875.8 | 2677.0 | 615.3 | 735.89 | 1093.8 | 614.7 | 1209.9 | 159.3 | 216.0 | 429.8 | 9291.9 | 640.5 | 751.0 | 185.3 | 172.2 | 625.0 | 429.7 | 175.7 | 191.4 | 603.9 |
| Total Concentration of VOCs | | 2,876 | 2,677 | 615.3 | 735.9 | 1,094 | 614.7 | 1,210 | 159.3 | 216.0 | 429.8 | 9,292 | 640.5 | 751.0 | 185.3 | 172.2 | 625.0 | 429.7 | 175.7 | 191.4 | 603.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 7B-95-25 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Mar-05 | May-05 | Aug-05 | Jan-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <5 | <50 | <50 | <5 | <5 | <5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <10 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <30 | <3 | <3 | <30 | <30 | <3 | <3 | <5 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <10 | 1.0 | 18.6 | 10.1 | <10 | 4.1 | 2.4 | 14.0 | 3.6 | 0.75 | <1 | 5.9 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | 8.6 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <2 | <20 | <20 | <2 | <2 | <5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 199.5 | 92.4 | 100.9 | 238.4 | 298.8 | 233.0 | 139.0 | 2,800 | 64.0 | 68.0 | 58.4 | 14.7 | 7.7 | 5.1 | 3.6 | 51.2 | 2.9 | 4.3 | 30.3 | 5.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <10 | 1.6 | 6.5 | 21.4 | 29.8 | 5.3 | 2.3 | 320.0 | 2.4 | 1.2 | <1 | 1.2 | 2.3 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 |
| Freon-113 | 1200 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <1 | <1 | <10 | <10 | <1 | <1 | <5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 199.5 | 95.0 | 126.0 | 269.9 | 328.6 | 242.4 | 143.7 | 3,142.6 | 70.0 | 69.95 | 58.4 | 21.8 | 11.9 | 5.1 | 3.6 | 51.2 | 2.9 | 4.3 | 33.6 | 5.0 |
| Total Concentration of VOCs | | 199.5 | 95.0 | 126.0 | 269.9 | 328.6 | 242.4 | 143.7 | 3,143 | 70.0 | 70.0 | 58.4 | 21.8 | 11.9 | 5.1 | 3.6 | 51.2 | 2.9 | 4.3 | 33.6 | 5.0 |

# 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) | | | | | | | | | | | 16-94-13 (well is on semi-annual sampling) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-06 | Mar-06* | May-06 | Jul-06 | Oct-06 | Nov-06 | Jan-07 | Mar-07* | May-07 | Jul-07 | Sep-07* | Dec-94 | (D)* | Feb-95* | Mar-95* | May-95* | Jul-95 | Sep-95 | Dec-95 | Mar-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <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 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <1 | 5.7 | 2.5 | 2.1 | 2.1 | 3.6 | 2.4 | 3.2 | 5.5 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | 0.87 | 0.74 | 0.75 | 1.3 | <1 | 1.2 | 1.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 20.4 | 8.9 | 6.0 | 5.6 | 4.9 | 10.3 | 5.9 | 14.1 | 7.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | 0.96 | 1.2 | 1.4 | 3.0 | 1.6 | 1.7 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10.2 | 1.2 | 1 | 1.7 | <1 | 0.75 | 540.0 | 240.0 | 170.0 | 170.0 | 150.0 | 230.0 | 153.0 | 262.0 | 162.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 11.1 | 5.1 | 3.7 | 3.8 | 3.3 | 6.3 | 2.9 | 4.0 | 4.9 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 98.8 | 48.0 | 34.0 | 29.0 | 29.0 | 37.8 | 26.9 | 50.3 | 37.6 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10.2 | 1.2 | 1 | 1.7 | | 0.75 | 670.3 | 307.7 | 218.03 | 212.44 | 191.45 | 292.3 | 192.7 | 336.5 | 220.2 |
| Total Concentration of VOCs | | 3.3 | 4.1 | 2.2 | 4.8 | 5.8 | 10.2 | 1.2 | 1.0 | 1.7 | | 0.8 | 670.3 | 307.7 | 218.0 | 212.4 | 191.5 | 292.3 | 192.7 | 336.5 | 220.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 16-94-13 (Cont'd) Jun-96 | Sep-96 | Nov-96 | (D)* | Mar-97 | (D)* | Jun-97 | Sep-97 | Dec-97 | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Feb-99 | May-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Mar-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <9 | <1 | <0.5 | <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 |
| Naphthalene | | <1 | <1 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <20 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | 1.0 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 2.4 | 6.7 | 3.1 | <9 | 3.1 | 2.8 | 3.2 | 2.4 | 1.0 | 3.3 | 2.9 | 1.8 | 2.4 | 1.9 | 1.5 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <9 | 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 | <2 | <9 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.8 | <1 | 9.2 | 13.0 | 6.9 | 6.2 | 5.4 | 4.4 | 4.1 | 5.7 | 5.3 | 3.5 | 3.8 | 2.5 | 2.4 | 4.6 | 4.0 | 3.4 | 5.2 | 4.6 |
| cis-1,2-Dichloroethene | 6 | 1.7 | <1 | 1.1 | <9 | 1.2 | 1.3 | 1.1 | <1 | <1 | 1.2 | 2.3 | 1.2 | 1.2 | 1.1 | 1.2 | 1.4 | 1.1 | 1.1 | 1.1 | 1.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <20 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <2 | <9 | <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 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 144.0 | <1 | 255 | 240 | 171 | 120 | 129 | 94.7 | 116 | 116 | 126 | 112 | 103 | 92 | 84 | 90.7 | 85.8 | 68.2 | 90.1 | 77.2 |
| 1,1,1-Trichloroethane | 200 | 2.3 | <1 | 2.5 | <9 | 1.6 | 2.0 | 1.6 | 1.0 | 1.0 | 1.2 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 23.1 | 30.8 | 56.8 | 55.0 | 38.4 | 27.0 | 41.2 | 27.7 | 31.1 | 37.5 | 28.1 | 21.9 | 25.5 | 22.2 | 17.3 | 25.9 | 23.2 | 21.7 | 26.3 | 24.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <9 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 178.3 | 37.5 | 327.7 | 308.0 | 223.3 | 160.4 | 182.6 | 130.2 | 153.2 | 164.9 | 166.0 | 140.4 | 135.9 | 119.7 | 106.4 | 122.6 | 114.1 | 94.4 | 122.7 | 107.7 |
| Total Concentration of VOCs | | 178.3 | 37.5 | 327.7 | 308.0 | 223.3 | 160.4 | 182.6 | 130.2 | 153.2 | 164.9 | 166.0 | 140.4 | 135.9 | 119.7 | 106.4 | 123.6 | 114.1 | 94.4 | 122.7 | 107.7 |

# 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) | | | | | | | | | 25-94-12 (well is on annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-02 | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Aug-06 | Aug-07 | Dec-94 | Dec-94 | (D) (G)* | Mar-95* | May-95* | Aug-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <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 | <1 | <0.5 | <0.5 | <0.5 | 0.74 | <1 | <1 | <1 | <1 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | 0.80 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | 1.54 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 3.4 | <3 | <3 | <3 | <1 | 3.1 | 3.0 | 1.5 | 2.6 | <1 | <1 | 5.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | 0.59 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | 2.2 | <1 | <2 |
| 1,1-Dichloroethene | 6 | 4.3 | 3.1 | <1 | 2.5 | 2.3 | <1 | <1 | 1.3 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 76.3 | 70.8 | 53.1 | 40.3 | 32.0 | 31.1 | 38.8 | 28.8 | 21.4 | <1 | 0.54 | 0.56 | 0.71 | 5.5 | <1 | 1.2 | 5.2 | 4.3 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 22.7 | 22.5 | 18.4 | 16.0 | 11.6 | 12.1 | 15.6 | 11.5 | 10.4 | <1 | 1.2 | 1.2 | 4.5 | 8.3 | 4.8 | 4.2 | 20.7 | 4.8 | 3.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.3 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 103.3 | 96.4 | 71.5 | 60.1 | 45.9 | 46.6 | 54.4 | 41.6 | 31.8 | | 6.14 | 7.06 | 6.71 | 16.99 | 4.8 | 5.4 | 33.6 | 9.1 | 3.0 |
| Total Concentration of VOCs | | 103.3 | 96.4 | 71.5 | 60.1 | 45.9 | 46.6 | 54.4 | 41.6 | 31.8 | | 6.1 | 7.1 | 6.7 | 18.5 | 4.8 | 5.4 | 33.6 | 9.1 | 3.0 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-94-12 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-96 | Mar-97 | Jun-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Mar-00 | Sep-00 | Feb-01 | Sep-01 | Feb-02 | Sep-02 | Aug-03 | Jan-04 | Jul-04 | Jul-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 |
| 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 | <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 | <1 | 1.1 | <1 | 5.1 | 2.2 | 3.0 | 2.4 | 4.6 | <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 | 4.5 | 1.5 | <1 | <1 | <1 | 2.1 | <1 | <1 | <1 | <1 | <1 | 5.0 | 2.2 | 1.3 | <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 | 4.9 | <1 | 13.2 | 4.0 | 4.7 | 4.3 | 10.6 | 3.9 | 3.5 | 4.5 | 2.9 | 3.2 | 3.0 | 4.4 | 3.0 | 2.4 | 3.0 | 3.8 |
| 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 | | | 6.0 | 4.5 | 19.8 | 6.2 | 7.7 | 6.7 | 17.3 | 3.9 | 3.5 | 4.5 | 2.9 | 3.2 | 8.0 | 6.6 | 4.3 | 2.4 | 3.0 | 3.8 |
| Total Concentration of VOCs | | | 6.0 | 4.5 | 19.8 | 6.2 | 7.7 | 6.7 | 17.3 | 3.9 | 3.5 | 4.5 | 2.9 | 3.2 | 8.0 | 6.6 | 4.3 | 2.4 | 3.0 | 3.8 |

# 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 (well is on annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-95 | (S)* | Dec-95 | Mar-96 | Jun-96 | 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 |
| **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 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <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 | | <1 | <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 | | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <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 | 1.8 | 1.3 | 1.4 | 2.0 | 1.6 | 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 |
| Chloroform | 80 | 2.8 | 2.4 | 3.2 | 9.3 | 4.1 | 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 |
| 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 | <1 | 0.77 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | 1.2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.8 | 1.3 | 2.0 | 1.3 | 1.7 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.2 | <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 | <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 |
| 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 | 3.9 | 4.0 | 4.4 | 2.2 | 2.9 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 |
| 1,1,2-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 | 17.1 | 15.0 | 17.8 | 11.4 | 9.8 | 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 |
| Freon-113 | 1200 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <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 | | 27.4 | 24.77 | 28.8 | 26.2 | 20.1 | 18.7 | 8.0 | 14.6 | 14.9 | 12.3 | 24.0 | 19.2 | 25.3 | 11.8 | 14.6 | 23.9 | 12.5 | 16.0 | 10.5 | 7.9 |
| Total Concentration of VOCs | | 27.4 | 24.8 | 28.8 | 26.2 | 20.1 | 18.7 | 8.0 | 14.6 | 14.9 | 12.3 | 24.0 | 19.2 | 25.3 | 11.8 | 14.6 | 23.9 | 12.5 | 16.0 | 10.5 | 7.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-95-5 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03* | 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* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | 1.0 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <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 | | | | | | |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <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 | | | | | | |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <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 | | | | | | |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | 1.0 | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | 1.3 | 1.7 | <1 | 0.58 | 1.3 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chloroform | 80 | <3 | <3 | 3.6 | <3 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <1 | 1.9 | <1 | 1.1 | 6.6 | 2.1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Trichloroethene | 5 | 5.5 | 6.8 | 5.5 | 4.3 | 3.3 | 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 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 5.5 | 10.0 | 10.8 | 5.4 | 13.48 | 7.6 | 7.5 | 4.1 | 1.4 | | 1.1 | | | 1.3 | 3.1 | 0.59 | 0.58 | 0.52 | 0.59 | 0.57 |
| Total Concentration of VOCs | | 5.5 | 10.0 | 11.8 | 5.4 | 13.5 | 7.6 | 7.5 | 4.1 | 1.4 | | 1.1 | | | 1.3 | 3.1 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 |

# 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) | | | | 25-95-26 (well is on annual sampling) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jun-07* | July-07* | Aug-07* | Sep-07* | Jul-96 | (D)* | Jul-96 | Aug-96 | Dec-96 | Mar-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Jan-99* | May-99 | Feb-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | | | | | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | <5 | <5 | <5 | | <5 | <5 | 1.3 | <5 | <5 |
| Naphthalene | | | | | | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | | | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 1.3 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 3.5 | 3.7 | 2.5 | <1 | <1 | 1.8 | <1 | <1 | <1 | 3.9 | 0.87 | <1 | <1 | 2.5 | <1 | 4.0 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <0.5 | 5.4 | 5.8 | 9.2 | <1 | <1 | 9.8 | 6.7 | 3.3 | 5.2 | 10.8 | 7.0 | 3.4 | 3.3 | 8.7 | 2.9 | 10.7 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 0.57 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <0.5 | 3.3 | 0.77 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.60 | <1 | <1 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <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 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <0.5 | 194.0 | 170.0 | 8.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 1.3 | 1.4 | 0.7 | 0.5 | 27.3 | 35.0 | 2.5 | <1 | 4.6 | 1.6 | 1.5 | 1.4 | 1.9 | 1.5 | 2.8 | 1.6 | 1.7 | 2.5 | 2.5 # | 2.6 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-123A | | | | | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.3 | 1.4 | 0.7 | 0.5 | 233.5 | 215.84 | 22.7 | | 4.6 | 13.2 | 8.2 | 4.7 | 7.1 | 16.2 | 11.27 | 5.0 | 5.0 | 13.7 | 5.4 | 17.3 |
| Total Concentration of VOCs | | 1.3 | 1.4 | 0.7 | 0.5 | 233.5 | 215.8 | 22.7 | | 4.6 | 13.2 | 8.2 | 4.7 | 7.1 | 16.2 | 11.3 | 5.0 | 5.0 | 15.0 | 5.4 | 17.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25-95-26 (Cont'd) | | | | | | | | | | | | | 25-95-27 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-00 | Feb-01 | Aug-01 | Mar-02 | Sep-02 | Aug-03* | Sep-02 | Aug-03* | Jan-04 | Jul-04 | Aug-05 | Jul-06 | Aug-07 | Apr-96 | Jun-96 | Jul-96 | (D)* | Dec-96(G)[1] | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | | | | | | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | 0.78 | <1 | 0.78 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Chloroform | 80 | 3.6 | 3.2 | <3 | 3.5 | <1 | 3.5 | <1 | 3.5 | <1 | <1 | <1 | <3 | <3 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <0.5 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 13.0 | <1 | 13.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | 2.3 | 2.2 | 3.5 | 2.8 | 2.9 | 3.8 | 2.9 | 3.8 | 2.5 | 3.0 | 2.8 | 3.1 | 3.1 | <1 | <1 | <1 | 1.5 | 0.84 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 5.9 | 5.4 | 3.5 | 6.3 | 2.9 | 21.1 | 2.9 | 21.1 | 2.5 | 3.0 | 2.8 | 3.1 | 3.1 | | | | 1.5 | 0.84 | |
| Total Concentration of VOCs | | 5.9 | 5.4 | 3.5 | 6.3 | 2.9 | 21.1 | 2.9 | 21.1 | 2.5 | 3.0 | 2.8 | 3.1 | 3.1 | | | | 1.5 | 0.8 | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25-95-27 (Cont'd) 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 | Nov-00 | Feb-01 | May-01 | Jul-01 | Nov-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| n-Butylbenzene | | <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 | <0.5 | <1 | <1 | <1 | <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 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <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 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <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 | <2 | <2 | <2 |
| n-Propylbenzene | | <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 | 0.58 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <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 | <0.5 | <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 |
| Total Aromatic Hydrocarbons | | | | | | 0.58 | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <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 | <0.5 | <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 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <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 |
| 1,2-Dichloroethane | 0.5 | <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 | <1 | <1 | <1 | <0.5 | <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 |
| 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 |
| 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 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <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 | <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 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Freon-123A | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 1.4 | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | 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) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jan-06 | Jul-06 | Jan-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 | <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 | <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 | <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 | 25-98-10 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-98(G | Oct-99 | (D)* | Nov-99 | Feb-00 | May-00 | Sep-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 or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <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 | <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 | | | | | | | | | | | | | | 1.0 | | | | | | | |
| **Halogenated 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 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.7 | 2.4 | 2.5 | 1.5 | 2.2 | 2.6 | 1.4 | 1.8 | 1.5 | 1.7 | 2.8 | 2.1 | 2.7 | 2.3 | 2.0 | 2.0 | 2.0 | 2.5 | 1.4 | 2.1 |
| Chloroform | 80 | 2.9 | 3.4 | 3.6 | 4.3 | <1 | 3.3 | <3 | 3.0 | <3 | 3.1 | <3 | <3 | 3.3 | <3 | 4.5 | 3.1 | 2.8 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.61 | <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 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.6 | 1.9 | 1.3 | 1.0 | 1.6 | 1.1 | <1 | <1 | <1 | 1.9 | 1.6 | 1.7 | 1.1 | 1.2 | <1 | <0.5 | <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 | <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 |
| 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 | 1.3 | 1.7 | 2.4 | 1.6 | 2.3 | 2.2 | 1.8 | 1.6 | 1.8 | 1.8 | 2.8 | 1.7 | 1.6 | 1.0 | 1.7 | 1.1 | 20.0 | 1.1 | 1.6 | <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 | 7.7 | 14.8 | 15.0 | 11.0 | 9.4 | 12.4 | 10.6 | 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 |
| 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 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 13.6 | 23.9 | 25.40 | 19.7 | 14.9 | 22.1 | 14.9 | 16.8 | 14.0 | 16.5 | 21.3 | 16.7 | 19.0 | 13.8 | 19.1 | 12.1 | 34.61 | 9.8 | 10.4 | 7.4 |
| Total Concentration of VOCs | | 13.6 | 23.9 | 25.4 | 19.7 | 14.9 | 22.1 | 14.9 | 16.8 | 14.0 | 16.5 | 21.3 | 16.7 | 20.0 | 13.8 | 19.1 | 12.1 | 34.6 | 9.8 | 10.4 | 7.4 |

# 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 (well is on semi-annual sampling) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | 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* | 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 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <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 | <1 | <0.5 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| Toluene | 150 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <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 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.5 | <1 | <1 | <1 | <1 | <1 | 0.68 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.51 | 0.51 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | <3 | <3 | <3 | 1.40 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.87 | 0.81 | <0.5 | <0.5 | 1.4 | 1.2 | 4.6 | 5.8 | 5.3 |
| 1,1-Dichloroethane | 5 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <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 | 11.1 | 7.6 | 155.0 | 123.0 | 151.0 |
| cis-1,2-Dichloroethene | 6 | <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 | <1 | <0.5 | 2.5 | 2.6 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <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 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 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 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.85 | 0.68 | <0.5 | <0.5 | <1 | 0.55 | 1.7 | 3.2 | 2.5 |
| 1,1,1-Trichloroethane | 200 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.6 | <1 | 2.1 | 1.7 | 2.5 | 3.2 | 3.9 | 1.1 | 0.7 | 0.88 | <05 | 2.0 | 4.20 | 3.8 | <0.5 | 0.77 | 11.0 | 10.0 | 202.0 | 304.0 | 225.0 |
| Freon-113 | 1200 | <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 | <5 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <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 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 8.1 | | 2.1 | 1.7 | 2.5 | 3.2 | 7.48 | 1.1 | 0.7 | 0.88 | | 2 | 6.43 | 5.8 | | 0.77 | 23.5 | 19.35 | 365.8 | 438.6 | 386.9 |
| Total Concentration of VOCs | | 8.1 | | 2.1 | 1.7 | 2.5 | 3.2 | 7.5 | 1.1 | 0.7 | 0.9 | | 2.0 | 6.4 | 5.8 | | 0.8 | 23.5 | 19.4 | 365.8 | 438.6 | 386.9 |

# 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-95-15 (Cont'd) Sep-96* | (D) | Nov-96 | 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 | Sep-01 | Feb-02 | Sep-02 | Feb-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| n-Butylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| sec-Butylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| ter-Butylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Ethylbenzene | 300 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Isopropylbenzene | | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <25 | <5 | <50 | <50 | <50 | <5 |
| Naphthalene | | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| n-Propylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Chloroform | 80 | 5.8 | 4.2 | 5.2 | 2.8 | 2.6 | 4.1 | 5.7 | 2.7 | 3.8 | 3.3 | 3.2 | 3.3 | 3.2 | 5.0 | <15 | 4.3 | <30 | <30 | <30 | <1 |
| 1,1-Dichloroethane | 5 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 120.0 | 107.0 | 92.9 | 89.8 | 39.9 | <1 | 62.9 | 64.8 | 93.2 | 89.3 | 114.0 | 134.0 | 108.0 | 133.0 | 99.8 | 141.1 | 100.7 | 122.3 | 78.9 | 67.5 |
| cis-1,2-Dichloroethene | 6 | 2.4 | 1.7 | 1.4 | 1.4 | 1.0 | <1 | 1.4 | 1.3 | 2.1 | 1.9 | 3.2 | 3.5 | 2.7 | 4.7 | 3.0 | 4.1 | <10 | <10 | <10 | 2.6 |
| trans-1,2-Dichloroethene | 10 | 0.77 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 1.0 | <10 | <10 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <20 | <20 | <20 | <2 |
| Tetrachloroethene | 5 | 3.0 | 2.0 | 2.0 | 1.6 | 9.4 | 2.1 | 5.1 | 1.8 | 2.0 | 1.7 | 1.6 | 1.8 | 2.1 | 3.8 | <5 | 2.5 | <10 | <10 | <10 | 2.1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | 0.74 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Trichloroethene | 5 | 270.0 | 287.0 | 250.0 | 188.0 | 162.0 | 130.0 | 167.0 | 157.0 | 204.0 | 178.0 | 186.0 | 300.0 | 186.0 | 295.0 | 255.5 | 278.9 | 324.9 | 343.1 | 202.3 | 194.0 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Freon-123A | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <10 | <10 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 403.39 | 401.9 | 351.5 | 283.6 | 214.9 | 136.2 | 242.1 | 227.6 | 305.1 | 274.2 | 308.0 | 442.6 | 302.0 | 441.5 | 358.3 | 431.9 | 425.6 | 465.4 | 281.2 | 266.2 |
| Total Concentration of VOCs | | 403.4 | 401.9 | 351.5 | 283.6 | 214.9 | 136.2 | 242.1 | 227.6 | 305.1 | 274.2 | 308.0 | 442.6 | 302.0 | 441.5 | 358.3 | 431.9 | 425.6 | 465.4 | 281.2 | 266.2 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-03 | Feb-04* | Aug-04 | Feb-05 | Nov-05 | Feb-06 | Jul-06 | Mar-07 | Sep-07 | Jul-98 | (D)* | Sep-98 | Dec-98 | Feb-99 | May-99# | Sep-99 | Nov-99 | Mar-00 | May-00 | Sep-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Chloroform | 80 | <1 | 1.5 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <6 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 |
| 1,1-Dichloroethene | 6 | 70.0 | 53.0 | 78.7 | 52.8 | 3.7 | 11.7 | <1 | <1 | <1 | 2.4 | 2.5 | 1.6 | 8.2 | 11.7 | 5.0 | 16.5 | 21.9 | 17.2 | 18.7 | 9.0 |
| cis-1,2-Dichloroethene | 6 | 3.2 | 3.1 | 3.5 | 2.3 | <1 | <1 | <1 | <1 | <1 | 1.1 | 1.6 | 1.3 | 4.7 | 6.3 | 3.3 | 6.5 | 10.1 | 11.2 | 9.4 | 6.0 |
| trans-1,2-Dichloroethene | 10 | <1 | 0.92 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.0 | 1.4 | <1 | 2.5 | 3.2 | 3.5 | 3.1 | 1.5 |
| 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 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 |
| 1,1,2,2-Tetrachloroethane | 1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Tetrachloroethene | 5 | 2.3 | 2.1 | 1.5 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | 6.0 | <2 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Trichloroethene | 5 | 190.0 | 140.0 | 152.0 | 144.0 | 18.9 | 44.7 | <1 | <1 | <1 | 102.4 | 110.0 | 74.9 | 144.0 | 170.0 | 120.0 | 285.0 | 314.0 | 306.0 | 363.0 | 191.4 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Freon-123A | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Halogenated Hydrocarbons | | 265.5 | 200.62 | 235.7 | 200.7 | 22.6 | 56.4 | | | | 105.9 | 114.1 | 77.8 | 157.9 | 189.4 | 128.3 | 310.5 | 349.2 | 339.6 | 400.2 | 210.5 |
| Total Concentration of VOCs | | 265.5 | 200.6 | 235.7 | 200.7 | 22.6 | 56.4 | | | | 105.9 | 114.1 | 77.8 | 157.9 | 189.4 | 128.3 | 310.5 | 349.2 | 339.6 | 400.2 | 210.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-1 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Feb-06 | Mar-06 | Mar-06 | Apr-06 |
| **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 | <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 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 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 | 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 | 3.6 | 12.5 | 9.9 | 2.8 |
| cis-1,2-Dichloroethene | 6 | 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 | 2.0 | 9.4 | 6.5 | 2.8 |
| trans-1,2-Dichloroethene | 10 | 2.8 | 2.8 | <10 | <10 | <10 | <10 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | 2.3 | <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 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | 220.5 | 297.7 | 213.0 | 191.8 | 292.1 | 170.0 | 164.0 | 104.2 | 100.0 | 103.0 | 66.3 | 48.6 | 54.7 | 36.7 | 61.3 | 56.2 | 57.1 | 294.0 | 232.0 | 69.2 |
| 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 | | 252.0 | 330.9 | 227.9 | 191.8 | 306.2 | 170.0 | 176.8 | 114.5 | 111.9 | 114.1 | 72.9 | 52.6 | 60.6 | 38.7 | 67.6 | 62.0 | 62.7 | 318.6 | 250.7 | 74.8 |
| Total Concentration of VOCs | | 252.0 | 330.9 | 227.9 | 191.8 | 306.2 | 170.0 | 176.8 | 114.5 | 111.9 | 114.1 | 72.9 | 52.6 | 60.6 | 38.7 | 67.6 | 62.0 | 62.7 | 318.6 | 250.7 | 74.8 |

# 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 (well is on semi-annual sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Jun-98 | (D)* | Sep-98 | Dec-98 | Mar-99 | (D)* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | 3.5 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <50 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <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 | <10 | <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 | <10 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <2 | <1 |
| 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 | <0.5 | <10 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <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 | <10 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | 0.51 | <10 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.8 | <10 | 1.4 | <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 | <20 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 8.5 | <1 | <1 | 3.0 | <1 | <1 | 3.8 | <1 | 5.6 | <1 | 4.4 | <1 | 2.3 | 61.9 | 77.0 | 50.1 | 66.6 | 4.1 | 5.7 |
| cis-1,2-Dichloroethene | 6 | <1 | 6.3 | <1 | <1 | 2.2 | <1 | <1 | 2.2 | <1 | 2.9 | <1 | 3.4 | <1 | 2.8 | 4.4 | 6.1 | <10 | 4.8 | <1 | 0.57 |
| trans-1,2-Dichloroethene | 10 | <1 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | 1.5 | <1 | <1 | 1.2 | 1.3 | <10 | <1 | <1 | <0.5 |
| 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 | <0.5 | <20 | <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 | <10 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.63 | <10 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.64 | <10 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 25.0 | 251.0 | 6.7 | 6.8 | 101.0 | 21.0 | 1.6 | 115.0 | 16.3 | 147.0 | 13.8 | 143.0 | 31.9 | 94.1 | 390.0 | 400.0 | 324.0 | 352.0 | 34.5 | 37.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.51 | <10 | <1 | <1 | <0.5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <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 | <10 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 25.0 | 268.2 | 6.7 | 6.8 | 106.2 | 21.0 | 1.6 | 121.0 | 16.3 | 156.8 | 13.8 | 152.3 | 31.9 | 99.2 | 458.7 | 488.49 | 374.1 | 424.8 | 38.6 | 43.27 |
| Total Concentration of VOCs | | 25.0 | 268.2 | 6.7 | 6.8 | 106.2 | 21.0 | 1.6 | 121.0 | 17.7 | 156.8 | 17.3 | 152.3 | 31.9 | 99.2 | 458.7 | 488.5 | 374.1 | 424.8 | 38.6 | 43.3 |

# 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-98-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-99 | 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 | Dec-02 | Mar-03 | Jun-03 | Sep-03 | Nov-03 | Feb-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <10 | <1 | <1 | <1 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 12.1 | 31.8 | 43.2 | 4.3 | 8.9 | 9.8 | 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 |
| cis-1,2-Dichloroethene | 6 | 1.3 | <10 | 3.7 | <1 | 1.3 | 1.6 | 2.9 | <1 | <10 | <10 | <10 | <10 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | 1.8 | 4.2 | <1 | <1 | <1 | <1 | <1 | 3.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 128.0 | 279.0 | 267.0 | 111.0 | 167.0 | 157.8 | 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 |
| Freon-113 | 1200 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 141.4 | 310.8 | 313.9 | 115.3 | 177.2 | 169.2 | 319.3 | 120.3 | 292.9 | 245.2 | 364.7 | 448.3 | 263.9 | 162.3 | 95.0 | 105.7 | 58.0 | 74.8 | 52.7 | 41.7 |
| Total Concentration of VOCs | | 141.4 | 310.8 | 313.9 | 115.3 | 177.2 | 169.2 | 319.3 | 120.3 | 292.9 | 245.2 | 364.7 | 448.3 | 263.9 | 162.3 | 95.0 | 105.7 | 58.0 | 74.8 | 52.7 | 41.7 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-04 | Sep-04 | Nov-04 | Feb-05 | Apr-05 | Jun-05 | 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 |
| **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 | <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 | 3.1 | 4.0 | 5.2 | 3.3 | <1 | <1 | <1 | <1 | 2.4 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | <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 | 43.3 | 42.9 | 57.4 | 58.1 | 31.7 | 28.7 | 33.0 | 22.0 | 26.4 | 26.6 | 21.5 | 21.3 | 19.1 | 18.8 | 20.0 | 20.3 | 24.4 | 14.5 | 12.4 | 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 | | 47.6 | 46.9 | 62.6 | 61.4 | 31.7 | 28.7 | 33.0 | 22.0 | 28.8 | 26.6 | 21.5 | 21.3 | 19.1 | 18.8 | 22.2 | 20.3 | 24.4 | 14.5 | 12.4 | 13.3 |
| Total Concentration of VOCs | | 47.6 | 46.9 | 62.6 | 61.4 | 31.7 | 28.7 | 33.0 | 22.0 | 28.8 | 26.6 | 21.5 | 21.3 | 19.1 | 18.8 | 22.2 | 20.3 | 24.4 | 14.5 | 12.4 | 13.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 25A-98-3 (Cont'd) | | | | | | | | | | | | | | | 25A-98-7 (well is on semi-annual sampling) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-07 | Sep-07 | Dec-99 | (D)* | May-00 | Sep-00 | Nov-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <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 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <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 | <0.5 | <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 | <1 | <2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | 1.1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 3.9 | <1 | 4.5 | 1.2 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.55 | <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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.3 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.58 | <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 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 14.1 | 13.0 | 12.3 | 13.6 | 17.1 | 13.9 | 14.6 | 12.8 | 13.9 | 15.2 | 13.1 | 10.8 | 14.2 | 17.0 | 16.9 | 293.0 | 210.0 | 106.0 | 219.9 | 106.8 |
| Freon-113 | 1200 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 14.1 | 14.1 | 12.3 | 13.6 | 18.3 | 13.9 | 14.6 | 12.8 | 13.9 | 15.2 | 13.1 | 10.8 | 14.2 | 17.0 | 16.9 | 299.0 | 215.03 | 107.3 | 224.4 | 108.0 |
| Total Concentration of VOCs | | 14.1 | 14.1 | 12.3 | 13.6 | 18.3 | 13.9 | 14.6 | 12.8 | 13.9 | 15.2 | 13.1 | 10.8 | 14.2 | 17.0 | 16.9 | 299.0 | 215.0 | 107.3 | 224.4 | 108.0 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-7 (Cont'd) 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 | Feb-06 | Mar-06 | Mar-06 | Apr-06 | Apr-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <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 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.1 | 2.6 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.5 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | 1.1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 93.1 | 139.1 | 342.8 | 194.9 | 78.0 | 57.2 | 42.2 | 61.8 | 45.4 | 25.6 | 21.2 | 32.9 | 21.7 | 10.6 | 10.5 | 15.4 | 14.7 | 12.6 | 12.1 | 11.5 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 97.8 | 141.7 | 342.8 | 194.9 | 78.0 | 57.2 | 42.2 | 61.8 | 45.4 | 25.6 | 21.2 | 32.9 | 21.7 | 10.6 | 10.5 | 15.4 | 17.1 | 12.6 | 12.1 | 11.5 |
| Total Concentration of VOCs | | 97.8 | 141.7 | 342.8 | 194.9 | 78.0 | 57.2 | 42.2 | 61.8 | 45.4 | 25.6 | 21.2 | 32.9 | 21.7 | 10.6 | 10.5 | 15.4 | 17.1 | 12.6 | 12.1 | 11.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 25A-98-7(cont'd) 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 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 | 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 | 7.5 | 6.7 | 13.7 | 8.9 | 14.7 |
| 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 | | 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 | 7.5 | 6.7 | 13.7 | 8.9 | 14.7 |
| Total Concentration of VOCs | | 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 | 7.5 | 6.7 | 13.7 | 8.9 | 14.7 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | 12.0 | 23.6 | 15.3 | 17.6 | 13.5 | 16.5 | 22.0 | 15.9 | 16.0 | 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 | 252.0 | 244.0 | 140.0 | 385.0 | 177.0 | 337.0 | 236.9 | 228.1 | 268.2 | 284.3 | 278.0 | 320.0 | 271.2 | 242.2 | 310.7 | 265.0 | 304.0 | 245.0 | 241.0 | 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 | | 268.0 | 262.5 | 157.43 | 409.7 | 192.3 | 357.4 | 250.4 | 244.6 | 290.2 | 300.2 | 294.0 | 334.1 | 285.9 | 255.5 | 331.0 | 280.5 | 320.2 | 258.5 | 253.2 | 164.2 |
| Total Concentration of VOCs | | 268.0 | 262.5 | 157.4 | 409.7 | 192.3 | 357.4 | 250.4 | 244.6 | 290.2 | 300.2 | 294.0 | 334.1 | 285.9 | 255.5 | 331.0 | 280.5 | 320.2 | 258.5 | 253.2 | 164.2 |

# 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 (well is on annual sampling) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-05 | Feb-06 | Aug-06 | Feb-07 | Sep-07 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | (D)* | Jun-94 | Aug-94 | Dec-94* | (D)* | Jan-95* | Jun-95* | Aug-95 | Nov-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | 1.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.74 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.90 | <0.5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | 7.1 | 2.0 | 5.8 | 3.4 | 6.8 | <1 | 1.0 | <1 | <1 | <1 | 0.6 | <1 | <1 | 1.1 | 1.2 | <0.5 | 0.78 | 1.0 | 1.3 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 15.9 | 15.9 | 21.6 | 13.0 | 25.3 | 12.1 | 12.0 | 9.8 | 20.4 | 15.0 | 16.0 | 13.0 | 13.0 | 13.8 | 17.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <5 | 1.2 | 1.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | 0.51 | 0.55 | <0.5 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | 161.0 | 157.0 | 152.0 | 139.0 | 99.2 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | 0.98 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 161.0 | 164.1 | 154.0 | 144.8 | 102.6 | 22.7 | 17.1 | 24.6 | 13.0 | 25.3 | 12.1 | 12.6 | 9.8 | 20.4 | 16.61 | 17.75 | 15.62 | 13.78 | 14.8 | 18.5 |
| Total Concentration of VOCs | | 161.0 | 164.1 | 154.0 | 144.8 | 102.6 | 22.7 | 17.1 | 24.6 | 13.0 | 25.3 | 12.1 | 12.6 | 9.8 | 20.4 | 16.6 | 17.8 | 15.6 | 13.8 | 14.8 | 18.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 26-92-11 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-96 | Jun-96 | Mar-97 | Aug-97 | Mar-98 | Sep-98 | Feb-99 | Sep-99 | Mar-00 | Sep-00 | Feb-01 | Sep-01 | Mar-02 | Sep-02 | Aug-03* | Aug-04 | Aug-05 | Jul-06 | Sep-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <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 | <0.5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <2 | <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 | | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <2 | <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 | | | | | | | | | | | | | | 1.7 | | | | | | |
| **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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <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 |
| 1,1,1,2-Tetrachloroethane | | <1 | <1 | <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 | 11.8 | 9.8 | 9.2 | 9.9 | 9.1 | 10.3 | 7.0 | 9.0 | 8.2 | 10.1 | 11.0 | 8.1 | 9.2 | 10.5 | 9.9 | 8.5 | 9.8 | 10.3 | 7.4 |
| 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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11.8 | 9.8 | 9.2 | 9.9 | 9.1 | 10.3 | 7.0 | 9.0 | 8.2 | 10.1 | 11.0 | 8.1 | 9.2 | 10.5 | 9.9 | 8.5 | 9.8 | 10.3 | 7.4 |
| Total Concentration of VOCs | | 11.8 | 9.8 | 9.2 | 9.9 | 9.1 | 10.3 | 7.0 | 9.0 | 8.2 | 10.1 | 11.0 | 8.1 | 10.9 | 10.5 | 9.9 | 8.5 | 9.8 | 10.3 | 7.4 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-92 | (D) ^ | Jan-93 | Feb-93 | May-93 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10.9 | 5.7 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| sec-Butylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| ter-Butylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| 1,4-Dichlorobenzene | 5 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| Ethylbenzene | 300 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| Isopropylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| Toluene | 150 | <5 | 16 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.57 | <0.5 | <0.5 | 0.83 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| 1,3,5-Trimethylbenzene | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 |
| Xylenes, total | 1750 | <5 | 6.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | 22.1 | | | | | | | | | 10.9 | 5.7 | 0.57 | | | 0.83 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | 2.1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 32.2 | 31 | 36.0 | 24.5 | 16.7 | 19.5 | 23.4 | 2.6 | <1 | <1 | 3.9 | 12.8 | 4.2 | 11.0 | 7.6 | 5.4 | 16.3 | 11.5 | 12.2 | 13.8 |
| Chloroform | 80 | 49.6 | <2 | 47.2 | 20.7 | 25.6 | 30.3 | 37.2 | 39.6 | 12.6 | 21.9 | 30.1 | 31.5 | 13.0 | 19.0 | 14.0 | 10.0 | 17.6 | 21.7 | 23.5 | 29.3 |
| 1,1-Dichloroethane | 5 | <5 | 3.4 | 1.9 | <1 | 2.1 | <1 | 3.3 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <5 | 44 | 11.4 | <1 | 3.3 | 1.2 | 1.5 | <1 | <1 | <1 | <1 | 1.2 | 0.52 | 0.79 | 0.52 | <0.5 | <1 | <1 | <1 | 1.3 |
| cis-1,2-Dichloroethene | 6 | <5 | <2 | 4.9 | 1.3 | 2.4 | 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 |
| trans-1,2-Dichloroethene | 10 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | 36 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 72.0 | 48 | 24.5 | 32.7 | 25.3 | 24.4 | 84.2 | 8.6 | 2.8 | 11.6 | 22.5 | 41.5 | 12.0 | 18.0 | 16.0 | 8.6 | 10.9 | 16.7 | 19.1 | 37.8 |
| 1,1,1-Trichloroethane | 200 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 80.4 | 43 | 19.7 | 24.9 | 32.6 | 32.6 | 36.3 | 9.3 | 3.7 | 13.8 | 18.2 | 50.1 | 11.0 | 20.0 | 16.0 | 11.0 | 11.8 | 21.1 | 23.4 | 30.5 |
| Freon-113 | 1200 | 5.4 | | 2.3 | 2.2 | 3.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <1 | <1 |
| Freon-123A | | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | | | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 239.6 | 205.4 | 147.9 | 106.3 | 111.8 | 110.9 | 189.1 | 62.0 | 19.1 | 48.8 | 78.0 | 140.3 | 40.72 | 70.69 | 55.62 | 35.98 | 58.9 | 74.0 | 81.3 | 116.2 |
| Total Concentration of VOCs | | 239.6 | 227.5 | 147.9 | 106.3 | 111.8 | 110.9 | 189.1 | 62.0 | 19.1 | 48.8 | 88.9 | 146.0 | 41.3 | 70.7 | 55.6 | 36.8 | 58.9 | 74.0 | 81.3 | 116.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) Mar-96 | (D)* | Jun-96 | Aug-96 | Nov-96 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <1 | <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 |
| Naphthalene | | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <0.5 | <2 | <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 | | <2 | <0.5 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <0.5 | <2 | <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 | 6.4 | 6.8 | 5.9 | 10.0 | 10.0 | 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 # |
| Chloroform | 80 | 26.3 | 13.0 | 16.8 | 21.7 | 23.3 | 15.0 | 12.5 | 15.0 | 9.4 | 10.9 | 9.9 | 15.0 | 10.3 | 14.0 | 13.2 | 14.6 | 14.9 | 7.1 | 17.6 | 11.7 |
| 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 | <1 | <0.5 | <1 | <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 | 6.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 1.9 | 1.7 | 2.3 | 2.2 | 1.9 | 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 |
| 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 | <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 | 17.6 | 16.0 | 15.2 | 22.1 | 17.5 | 2320 | 12.7 | 15.6 | 8.7 | 12.1 | 14.1 | 15.5 | 15.0 | 17.9 | 29.6 | 28.4 | 18.4 | 7.8 | 16.2 | 16.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | 15.0 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <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 | 17.2 | 16.0 | 13.2 | 21.8 | 22.2 | 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 | 16.0 | 10.7 |
| 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 | | 69.4 | 53.5 | 53.4 | 77.8 | 74.9 | 2933 | 44.7 | 53.2 | 31.5 | 42.0 | 41.5 | 55.3 | 44.9 | 54.5 | 70.3 | 72.3 | 57.6 | 26.5 | 58.4 | 46.5 |
| Total Concentration of VOCs | | 69.4 | 53.5 | 53.4 | 77.8 | 74.9 | 2,933 | 44.7 | 53.2 | 31.5 | 42.0 | 41.5 | 55.3 | 44.9 | 54.5 | 70.3 | 72.3 | 57.6 | 26.5 | 58.4 | 46.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 27-92-20 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-04 | Feb-05 | Apr-05 | May-05 | May-05* | 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 |
| **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 | <0.5 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <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 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <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 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <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 | <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 | 3.2 | 2.3 | <1 | 1.6 | 1.2 | 1.3 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 10.4 | 7.1 | 4.9 | 4.8 | 4.6 | 3.5 | 3.9 | 6.4 | 3.7 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.2 | <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 | 2.8 | 2.7 | <1 | 2.1 | 1.6 | 1.8 | <1 | <1 | 2.1 | 1.3 | <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 | 8.6 | 6.1 | 3.5 | 3.4 | 3.3 | 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 |
| 1,1,1-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 | 9.4 | 9.0 | 6.2 | 6.6 | 5.5 | 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 |
| 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 | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 34.4 | 27.2 | 14.6 | 18.5 | 16.2 | 15.8 | 13.0 | 15.3 | 14.0 | 7.9 | 4.8 | 5.6 | | 3.4 | 3.9 | 3.7 | 4.4 | 5.7 | 3.4 | 4.2 |
| Total Concentration of VOCs | | 34.4 | 27.2 | 14.6 | 18.5 | 16.2 | 15.8 | 13.0 | 15.3 | 14.0 | 7.9 | 4.8 | 5.6 | | 3.4 | 3.9 | 3.7 | 4.4 | 5.7 | 3.4 | 4.2 |

# 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 (well is on annual sampling) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-92 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Feb-94 | Aug-94 | Feb-95* | Aug-95 | Feb-96 | Aug-96 | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 6.7 | 1.5 | <1 | <1 | <1 | <1 | <1 | 0.85 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| sec-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| ter-Butylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| Isopropylbenzene | | | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 |
| p-Isopropyltoluene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <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 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 |
| n-Propylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | 6.7 | 1.5 | | | | | | 0.85 | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.5 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <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 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 0.55 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 1.6 | 1.4 | 1.2 | 1.3 | 1.2 | 1.2 | 1.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <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 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.1 | 2.5 | 2.0 | 2.2 | 1.9 | 1.9 | 1.9 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.75 | 3.9 | 3.2 | 3.5 | 3.1 | 3.1 | 3.4 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | 5.8 | 3.9 | 3.2 | 3.5 | 3.1 | 3.1 | 3.4 | | 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)

| | | 46-92-9 (Cont'd) | | | | | | | | | | | | | | 46-93-12 (semi-annual) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | Nov-94* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 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 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1.0 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | 5.5 | | | | 1.5 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 9.3 | 7.3 | 5.9 | <1 | 3.7 | 7.1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | 3 | 3 | 3 | <3 | <3 | 16.1 | 17.0 | 14.7 | 14.9 | 8.7 | 17.0 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 0.53 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.8 | 1.3 | <1 | <1 | 0.7 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 7.9 | 6.9 | 8.5 | 7.2 | 3.5 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | 3.4 | <1 | <1 | <1 | <1 | <1 | 11.9 | 14.0 | 18.9 | 13.4 | 13.6 | 17.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 20.8 | 26.0 | 26.8 | 17.7 | 21.5 | 20.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <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 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | | 3.4 | | | | | | 66.0 | 72.0 | 76.1 | 53.2 | 51.0 | 65.43 |
| Total Concentration of VOCs | | 5.5 | | | | 1.5 | | | | 3.4 | | | | | | 66.0 | 72.0 | 76.1 | 53.2 | 51.0 | 65.4 |

# 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 (Cont'd) (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 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99# | Sep-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <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 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 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 | 1.4 | 1.3 | 1.6 | <1 | 1.1 | 1.7 |
| Chloroform | 80 | 16.0 | 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 | 4.8 | 4.5 | 5.8 | 3.5 | 3.4 | 6.5 |
| 1,1-Dichloroethane | 5 | 0.50 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 0.64 | 0.78 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 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 | 4.3 | 3.6 | 3.2 | 3.7 | 5.4 | 4.1 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <0.5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 15.0 | 12.0 | 8.6 | 8.9 | 11.3 | 6.7 | 8.8 | 7.1 | 4.4 | 3.7 | 4.3 | 5.1 | 6.4 | 4.5 | 6.7 | 5.4 | 6.5 | 8.2 | 6.3 | 6.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18.0 | 16.0 | 11.0 | 17.1 | 18.7 | 12.2 | 11.6 | 9.9 | 7.1 | 6.5 | 8.0 | 7.8 | 8.9 | 7.5 | 10.4 | 7.7 | 8.6 | 7.3 | 8.3 | 10.0 |
| Freon-113 | 1200 | <0.5 | 1.5• | <0.5 | <5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 59.34 | 49.3 | 32.2 | 46.6 | 51.8 | 40.2 | 37.1 | 33.7 | 19.8 | 18.1 | 22.0 | 21.9 | 25.7 | 18.8 | 27.6 | 22.5 | 25.7 | 22.7 | 24.5 | 28.8 |
| Total Concentration of VOCs | | 59.3 | 49.3 | 32.2 | 46.6 | 51.8 | 40.2 | 37.1 | 33.7 | 19.8 | 18.1 | 22.0 | 21.9 | 25.7 | 18.8 | 27.6 | 22.5 | 25.7 | 22.7 | 24.5 | 28.8 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 46-93-12 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-04 | Feb-05 | Aug-05 | Oct-05 | Feb-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 | <1 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <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 | <1 | <0.5 | <1 | <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 | <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 | <5 | <5 | <5 | <0.5 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <0.5 | <1 | <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 | <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 | 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 | 1.2 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 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 | 7.0 | 6.5 | 4.7 | 4.4 | 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 | 3.7 | <1 | 2.6 | 4.5 | 3.2 | 4.7 | 15.9 | 7.1 | 3.0 | 6.3 | 12.8 | 12.0 | 3.6 | 13.0 | 4.6 | 2.9 | 1.9 | 2.2 | 2.2 | <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 | 9.6 | 7.7 | 4.7 | 5.1 | 6.6 | 12.8 | 9.2 | 12.0 | 8.9 | 6.1 | 5.1 | 6.9 | 5.3 | 18.0 | 7.3 | 7.3 | 4.8 | 5.4 | 4.6 | <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 | 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 | 16.0 | 7.3 | 7.2 | 6.4 | 4.6 | 4.9 | 1.3 |
| 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 | <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 | | 35.2 | 16.4 | 17.8 | 21.9 | 26.3 | 37.2 | 45.3 | 43.4 | 32.1 | 24.9 | 37.4 | 34.8 | 19.1 | 55.5 | 27.1 | 23.3 | 17.5 | 15.2 | 11.7 | 1.3 |
| Total Concentration of VOCs | | 35.2 | 16.4 | 17.8 | 21.9 | 26.3 | 37.2 | 45.3 | 43.4 | 32.1 | 24.9 | 37.4 | 34.8 | 19.1 | 55.5 | 27.1 | 23.3 | 17.5 | 15.2 | 11.7 | 1.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 46-93-12 (Cont'd) | | | | | | 46-96-10 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-06 | Jul-06 | Oct-06 | Feb-07 | May-07 | Aug-07 | 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 |
| **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 | <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 | <3 | <3 | <3 | <3 | <3 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 |
| 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 | <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 | <1 | <1 | 2.0 | 1.8 | 1.7 | <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 |
| 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 | | | | 2.0 | 1.8 | 1.7 | | | | | | | | | | | | | | | 1.5 |
| Total Concentration of VOCs | | | | 2.0 | 1.8 | 1.7 | | | | | | | | | | | | | | | 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-00 | May-00 | Aug-00* | Nov-00 | Jan-01 | May-01 | Aug-01 | 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 |
| **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 | <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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| 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 | <5 |
| 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 | | | | | | | | | | | | | | | | | | | | | |
| **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 | <1 | <1 | <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 | <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 |
| 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 | <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 |
| 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 | <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)

| | | 46-96-10 (Cont'd) | | | | 51-94-15 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-05 | May-05 | Jul-06 | Jul-07 | 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* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <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 | <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 | <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 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <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 | <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 | <0.5 | <5 | <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 | <1 | <1 | <1 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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-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 | Apr-02 | Jul-02 | Oct-02 | Jan-03 | Apr-03 |
| **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 | <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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| 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 | <5 |
| 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 | | | | | | | | | | | | | | | | | | | | | |
| **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 | <1 | <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 | <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 |
| 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 | <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 |
| 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 | <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)

| | | 51-94-15 (Cont'd) | | | | | | | | | | | 51-96-3 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-03 | Nov-03 | Feb-04 | May-04 | Jul-04 | Nov-04 | Jan-05 | Apr-05 | Jul-05 | Jul-06 | Jul-07 | Jul-96 | (D)* | Jul-96 | Dec-96 | Feb-97 | May-97 | Aug-97 | Nov-97 | Feb-98 |
| **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 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 | <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 | <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 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <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 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <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 | <0.5 | <2 | <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 | <1 |
| Chloroform | 80 | <3 | <3 | <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 | <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 | <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 | <1 | <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 | <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 | <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 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <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 | <0.5 | <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) 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 | Oct-02 | Jan-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 | <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 | <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 | | | <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)

| | | 51-96-3(Cont'd) | | | | | | | | | | | | 52-93-14 (semi-annual) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | May-05 | Jul-05 | Jul-06 | Jul-07 | Dec-94* | Mar-95* | Jun-95 | Sep-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 |
| **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 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.8 | 2.5 | 7.3 | 2.6 | 2.0 | 1.6 | 1.6 | 1.9 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 6.5 | 4.3 | 5.6 | 4.5 | 4.5 | 1.9 | 3.0 | 2.7 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <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 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 20.0 | 17.0 | 18.9 | 20.4 | 22.6 | 15.9 | 16.5 | 14.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <0.5 | 2.5 | <1 | <1 | <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 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 18.0 | 14.0 | 13.7 | 17.2 | 17.0 | 8.8 | 9.1 | 11.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | 48.9 | 37.8 | 48.0 | 44.7 | 46.1 | 28.2 | 30.2 | 31.2 |
| Total Concentration of VOCs | | | | | | | | | | | | | | 48.9 | 37.8 | 48.0 | 44.7 | 46.1 | 28.2 | 30.2 | 31.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-93-14 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-96* | Mar-97 | Sep-97 | Mar-98 | Sep-98 | Mar-99 | Sep-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 | Jul-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 | <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 | | <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 | 2.7 | 1.9 | <1 | 3.0 | 1.3 | 1.2 | 2.2 | 3.0 | 2.0 | 3.0 | 2.9 | 1.8 | 2.4 | 2.5 | 2.2 | 2.7 | 2.5 | 3.0 | 1.9 | 1.2 |
| Chloroform | 80 | 3.1 | 1.6 | 1.7 | 1.8 | 1.2 | <1 | 1.7 | <1 | <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 | 17.0 | 8.9 | 3.8 | 19.4 | 11.0 | 11.8 | 9.6 | 20.1 | 13.1 | 21.0 | 18.4 | 12.6 | 24.6 | 19.9 | 22.8 | 16.7 | 16.9 | 17.0 | 14.1 | 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 | 12.0 | 6.1 | 5.3 | 9.1 | 4.5 | 3.3 | 5.2 | 5.2 | 3.6 | 4.4 | 4.6 | 3.4 | 4.7 | 4.4 | 4.3 | 3.8 | 3.4 | 3.2 | 2.1 | 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 | | 34.8 | 18.5 | 10.8 | 33.3 | 18.0 | 16.3 | 18.7 | 28.3 | 18.7 | 28.4 | 25.9 | 17.8 | 31.7 | 26.8 | 29.3 | 23.2 | 22.8 | 23.2 | 18.1 | 10.4 |
| Total Concentration of VOCs | | 34.8 | 18.5 | 10.8 | 33.3 | 18.0 | 16.3 | 18.7 | 28.3 | 18.7 | 28.4 | 25.9 | 17.8 | 31.7 | 26.8 | 29.3 | 23.2 | 22.8 | 23.2 | 18.1 | 10.4 |

# 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) | | 52-95-2B (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-07 | Sep-07 | 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 |
| **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 | <1 |
| n-Butylbenzene | | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <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 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <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 | <2 | <0.5 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 | <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 Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <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 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | 45.5 | 41.0 | 46.9 | 21.7 | 45.3 | 34.4 | 45.5 | 37.9 | 39.0 | 27.0 | 23.9 | 30.9 | 24.0 | 19.2 | 19.0 | 20.6 | 18.5 | 21.0 |
| Chloroform | 80 | <3 | <3 | 108.0 | 90.0 | 109.0 | 38.4 | 110.0 | 105.0 | 110.0 | 110.0 | 87.0 | 59.0 | 58.0 | 76.1 | 62.7 | 51.4 | 35.8 | 61.6 | 58.3 | 44.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 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 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 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 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 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 |
| 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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <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 | <1 |
| Tetrachloroethene | 5 | 6.6 | 2.4 | 122.0 | 84.0 | 131.0 | 196.0 | 113.0 | 114.0 | 114.0 | 48.2 | 104.0 | 82.9 | 85.4 | 38.5 | 79.9 | 84.3 | 101.0 | 44.2 | 74.0 | 41.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 |
| 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 | 64.0 | 51.0 | 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 | 34.0 | 24.9 | 29.2 |
| Freon-113 | 1200 | <1 | <1 | <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 |
| Freon-123A | | <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 | | 6.6 | 2.4 | 352.3 | 277.57 | 375.9 | 315.3 | 323.0 | 321.2 | 340.7 | 252.8 | 302.0 | 215.4 | 211.6 | 202.2 | 212.6 | 196.8 | 197.7 | 169.9 | 179.2 | 148.7 |
| Total Concentration of VOCs | | 6.6 | 2.4 | 352.3 | 277.6 | 375.9 | 315.3 | 323.0 | 321.2 | 340.7 | 252.8 | 302.0 | 215.4 | 211.6 | 202.2 | 212.6 | 196.8 | 197.7 | 169.9 | 179.2 | 148.7 |

# 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 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-00 | Mar-01 | 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 |
| **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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| 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 |
| 1,3,5-Trimethylbenzene | | <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 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 | 18.6 | 19.0 | 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 |
| Chloroform | 80 | 46.5 | 68.5 | 45.8 | 74.9 | 42.4 | 51.0 | 25.3 | <0.5 | 7.5 | 21.4 | 15.2 | 15.7 | 12.7 | 14.0 | 11.6 | 8.8 | 9.0 | 7.7 | 8.2 | 7.5 |
| 1,1-Dichloroethane | 5 | <1 | 1.7 | 1.0 | 1.4 | <1 | 1.0 | <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 | 1.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 4.0 | 6.8 | 4.0 | 5.0 | 4.1 | 3.7 | 2.1 | <0.5 | 1.7 | 16.0 | 10.3 | 10.6 | 8.7 | 8.5 | 7.6 | 6.6 | 5.9 | 4.8 | 4.8 | 4.2 |
| 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 | 73.2 | 46.6 | 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 |
| 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 | 27.4 | 28.7 | 32.1 | 25.5 | 28.5 | 22.0 | 11.5 | <0.5 | 5.3 | 38.3 | 25.4 | 23.9 | 18.6 | 16.9 | 14.8 | 13.6 | 13.1 | 12.6 | 12.0 | 10.6 |
| 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 | <0.5 | <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 | | 169.7 | 171.3 | 223.8 | 164.9 | 163.6 | 125.2 | 72.3 | 0.63 | 23.1 | 107.7 | 66.6 | 67.2 | 52.7 | 51.8 | 44.2 | 39.3 | 38.2 | 34.1 | 33.7 | 29.7 |
| Total Concentration of VOCs | | 169.7 | 171.3 | 223.8 | 164.9 | 163.6 | 125.2 | 72.3 | 0.6 | 23.1 | 107.7 | 66.6 | 67.2 | 52.7 | 51.8 | 44.2 | 39.3 | 38.2 | 34.1 | 33.7 | 29.7 |

# 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 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jan-06 | Feb-06 | Feb-06 | Mar-06 | Mar-06 | Apr-06 | Apr-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <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 | <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 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <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 | <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 | <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 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.9 | 1.6 | 1.7 | 1.4 | <1 | <1 | <1 | 1.3 | <1 | <1 | 0.86 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 8.1 | 6.9 | 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 |
| 1,1-Dichloroethane | 5 | <1 | <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 | <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 | <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 | 4.1 | 3.0 | 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 |
| trans-1,2-Dichloroethene | 10 | <1 | <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 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 5.3 | 3.9 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 10.2 | 8.4 | 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 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 29.6 | 23.8 | 22.4 | 19.60 | 17.6 | 12.5 | 14.2 | 14.4 | 7.7 | 13.7 | 11.96 | 3.0 | 5.6 | 14.6 | 7.1 | 6.2 | 5.6 | 5.6 | 2.0 | 1.8 |
| Total Concentration of VOCs | | 29.6 | 23.8 | 22.4 | 19.6 | 17.6 | 12.5 | 14.2 | 14.4 | 7.7 | 13.7 | 12.0 | 3.0 | 5.6 | 14.6 | 7.1 | 6.2 | 5.6 | 5.6 | 2.0 | 1.8 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 52-95-2B (Cont'd) | | | | | | | | | | | | | | | 52-98-9(well is approved for no further VOC sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-06 | Jun-06 | 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 | Nov-98(G | Jul-99 | (D)* | Sep-99 | Nov-99 | Mar-00 |
| **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 | <0.5 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <50 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <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 | <0.5 | <10 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 28.2 | 32.8 | 30.0 | 22.4 | 20.9 | 19.4 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 2.3 | <3 | 3.1 | <3 | <3 | 2.4 | <3 | <3 | <3 | <3 | 54.8 | 101.0 | 78.0 | 75.6 | 84.6 | 40.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.7 | 1.5 | <10 | 1.5 | 1.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <10 | 1.2 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | 1.5 | 1.3 | 1.0 | <1 | 0.91 | <1 | <1 | <1 | <1 | 27.0 | 4.8 | 5.7 | <10 | 5.9 | 5.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | 3.3 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 1.7 | <1 | 1.2 | 1.1 | 1.4 | 1.4 | 1.5 | 1.2 | <1 | <1 | 1.0 | <1 | 1.1 | <1 | <1 | 38.7 | 68.4 | 83.0 | 64.7 | 84.0 | 37.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.54 | <10 | <1 | 3.6 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Trichloroethene | 5 | 2.6 | 1.6 | 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 | 93.9 | 45.6 | 38.0 | 42.8 | 37.1 | 25.3 |
| Freon-113 | 1200 | <1 | <1 | .<1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.6 | 1.6 | 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 | 242.6 | 255.5 | 237.94 | 205.5 | 235.2 | 133.6 |
| Total Concentration of VOCs | | 7.6 | 1.6 | 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 | 242.6 | 255.5 | 237.9 | 205.5 | 235.2 | 133.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) 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 | Oct-04 | Oct-04 | Nov-04 | Jan-05 | May-05 | Aug-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 | 15.4 | 17.0 | 23.6 | 22.3 | 21.0 | 20.3 | 20.8 | 17.4 | 19.4 | 13.6 | 1.7 | 8.6 | 5.1 | 4.8 | <1 | <1 | <1 | 6.2 | <1 | <1 |
| Chloroform | 80 | 53.8 | 66.2 | 83.6 | 80.8 | 80.5 | 65.7 | 64.8 | 80.0 | 78.2 | 57.0 | 8.3 | 19.6 | 25.7 | 15.0 | <3 | <3 | <3 | 26.1 | 5.7 | 3.8 |
| 1,1-Dichloroethane | 5 | 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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 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 | <1 | <1 | <1 | 9.2 | <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 | 40.8 | 40.4 | 56.1 | 51.4 | 67.6 | 58.3 | 57.6 | 40.2 | 58.9 | 36.8 | 10.0# | 410.0 | 19.0 | 18.3 | 2.1 | 4.3 | 3.7 | 16.1 | 2.6 | 1.6 |
| 1,1,1-Trichloroethane | 200 | 1.4 | <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 | 26.0 | 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 | <1 | 1.9 | <1 | 22.9 | 4.6 | 3.2 |
| 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 | <0.5 | <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 | | 143.5 | 158.5 | 204.3 | 192.3 | 208.2 | 183.5 | 177.8 | 172.0 | 191.3 | 135.2 | 23.3 | 494.4 | 60.3 | 54.1 | 2.1 | 6.2 | 3.7 | 80.5 | 12.9 | 8.6 |
| Total Concentration of VOCs | | 143.5 | 158.5 | 204.3 | 192.3 | 208.2 | 183.5 | 177.8 | 172.0 | 191.3 | 135.2 | 23.3 | 494.4 | 60.3 | 54.1 | 2.1 | 6.2 | 3.7 | 80.5 | 12.9 | 8.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52-98-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | 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 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 |
| 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 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 | | <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 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <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 | <0.5 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | 0.54 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | 0.56 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | 3.1 | 3.0 | <3 | 3.7 | 3.5 | 4.0 | <3 | 3.2 | <3 | <3 | <3 | <3 | 2.4 | <3 | <3 | 3.6 | <3 | 3.4 | 3.0 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 1.1 | 2.4 | 1.4 | 1.2 | <1 | 1.0 | <1 | <1 | 1.0 | <1 | 1.1 | 1.2 | <1 | <1 | 1.2 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 1.1 | 1.4 | 1.7 | 2.0 | 2.1 | 2.8 | 1.5 | 1.9 | <1 | <1 | <1 | <1 | 1.1 | 2.1 | 1.3 | 1.2 | <1 | <1 | 1.0 | 1.3 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 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 | 2.6 | 2.7 | 2.1 | 2.4 | 2.2 | 1.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 6.1 | 6.8 | 4.3 | 8.2 | 9.7 | 15.0 | 5.8 | 9.84 | 2.6 | 2.6 | 1.5 | 1.7 | 6.9 | 4.0 | 5.0 | 9.3 | 2.1 | 5.8 | 7.4 | 3.2 |
| Total Concentration of VOCs | | 6.1 | 6.8 | 4.3 | 8.2 | 9.7 | 15.0 | 5.8 | 9.8 | 2.6 | 2.6 | 1.5 | 1.7 | 6.9 | 4.0 | 5.0 | 9.3 | 2.1 | 5.8 | 7.4 | 3.2 |

# 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 (semi-annual) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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 |
| **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 |
| 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 |
| 1,4-Dichlorobenzene | 5 | <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 | <1 | <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 | <1 | <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 | <3 | <20 | <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 |
| 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 | 24.6 | 24.0 | 22.9 | 24.1 | 22.3 | 20.1 | 19.1 | 19.2 | 25.2 | 35.3 | 15.7 | 22.7 | 20.5 | 13.0 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | 63.1 | 50.0 | 47.5 | 60.0 | 38.6 | 30.1 | 84.7 | 47.8 | 56.2 | 93.1 | 54.1 | 54.3 | 49.3 | 56.7 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.2 | <10 | 1.0 | <1 | <1 | 1.3 | <1 | <1 | <1 | 1.2 | 1.2 | 1.2 | 1.3 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 1.1 | <1 | <1 | <1 | 2.2 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | 16.4 | 22.0 | 16.7 | 28.0 | 17.5 | 12.3 | 22.0 | 20.8 | 23.9 | 33.4 | 27.0 | 29.0 | 23.5 | 35.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | 1.4 |
| Methylene Chloride | 5 | <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 | <1 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 35.5 | 41.0 | 25.5 | 36.1 | 37.8 | 26.2 | 35.7 | 27.2 | 30.2 | 27.8 | 29.7 | 34.5 | 21.5 | 24.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | 2.2 | <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 |
| Trichloroethene | 5 | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 81.5 | 72.0 | 88.4 | 94.9 | 57.9 | 45.4 | 71.6 | 67.7 | 80.4 | 92.1 | 72.3 | 103.2 | 74.6 | 94.1 |
| 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 | | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 222.1 | 211.2 | 201.0 | 244.1 | 174.1 | 137.4 | 234.4 | 182.7 | 215.9 | 283.9 | 200.0 | 246.1 | 190.6 | 226.4 |
| Total Concentration of VOCs | | 2.1 | 2.0 | 1.5 | 1.7 | 1.3 | 222.1 | 211.2 | 201.0 | 244.1 | 174.1 | 137.4 | 234.4 | 182.7 | 215.9 | 283.9 | 200.0 | 246.1 | 190.6 | 226.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 52A-98-8B (Cont'd) May-02 | Sep-02 | Feb-03 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <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 | <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 Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <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 | <2 |
| Carbon Tetrachloride | 0.5 | 12.4 | 15.4 | 13.9 | 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 |
| Chloroform | 80 | 40.3 | 48.1 | 45.3 | 28.0 | 44.0 | 25.4 | 40.9 | 4.3 | 10.3 | 12.6 | <3 | 11.1 | 4.5 | 3.8 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.3 | 0.70 | <1 | <1 | 1.5 | <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 | 19.7 | 31.5 | 41.1 | 20.0 | 23.0 | 18.6 | 45.0 | 5.3 | 6.8 | 10.5 | <1 | 18.3 | 7.3 | 3.7 | 3.3 | 2.2 | 2.9 | 2.1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | 1.5 | 1.0 | 1.4 | 2.4 | 1.3 | <1 | 1.8 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 28.0 | 26.1 | 23.1 | 22.0# | 537.0 | 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-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 | 80.5 | 100.2 | 99.0 | 56.0 | 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 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <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 | <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 | | 182.4 | 222.3 | 225.1 | 135.3 | 704.0 | 109.8 | 207.0 | 24.9 | 49.7 | 77.2 | | 72.9 | 26.1 | 16.9 | 12.9 | 7.8 | 11.4 | 7.4 | 4.8 | 3.2 |
| Total Concentration of VOCs | | 182.4 | 222.3 | 225.1 | 135.3 | 704.0 | 109.8 | 207.0 | 24.9 | 49.7 | 77.2 | | 72.9 | 26.1 | 16.9 | 12.9 | 7.8 | 11.4 | 7.4 | 4.8 | 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-05 | Apr-05 | Apr-05 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 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 | <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 | <0.5 | <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 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <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 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.98 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.74 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <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 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | 0.61 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | 0.65 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 2.9 | 2.8 | 2.6 | 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 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2.9 | 2.8 | 2.6 | 2.3 | 2.2 | 7.1 | 4.5 | 3.6 | 5.39 | 3.5 | 2.5 | 4.4 | 3.4 | 3.3 | 9.6 | 4.0 | 4.99 | 3.7 | 2.7 | 1.5 |
| Total Concentration of VOCs | | 2.9 | 2.8 | 2.6 | 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 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 52A-98-8B (Cont'd) | | | | | | 52B-95-13 (well is on semi-annual sampling) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-07 | Mar-07* | Apr-07 | May-07 | Jul-07 | Aug-07 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <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 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <1 | <1 | <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 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | | <2 | <2 | <2 | <2 | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <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 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <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 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | 67.0 | 43.4 | 22.1 | 6.8 | 52.0 | 30.5 | 25.4 | 21.2 | 38.5 | 25.2 | 36.1 | 10.8 | 22.9 | 25.3 |
| Chloroform | 80 | <3 | 0.85 | <3 | <3 | <3 | <3 | 30.4 | 19.0 | 16.2 | 7.5 | 20.9 | 16.8 | 16.5 | 12.8 | 17.2 | 13.0 | 13.5 | 7.4 | 11.3 | 11.2 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | 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 |
| cis-1,2-Dichloroethene | 6 | 1.1 | 0.77 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <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 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | 709.0 | 449.0 | 164.0 | 63.4 | 292.0 | 178.0 | 117.0 | 130.0 | 178.0 | 155.0 | 273.0 | 45.9 | 117.0 | 140.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | 6.0 | 43.4 | <10 | <1 | 1.8 | 1.4 | 1.1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.9 | 1.6 | <1 | <1 | 1.4 | 2.0 | 90.3 | 31.3 | 35.9 | 14.4 | 46.7 | 34.3 | 34.6 | 27.6 | 49.4 | 26.8 | 45.6 | 13.0 | 18.8 | 19.9 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | 1.2 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.0 | 3.22 | | | 1.4 | 2.0 | 920.2 | 593.6 | 238.2 | 93.6 | 420.2 | 264.8 | 199.5 | 196.2 | 289.9 | 223.5 | 373.1 | 79.3 | 172.1 | 198.7 |
| Total Concentration of VOCs | | 3.0 | 3.2 | | | 1.4 | 2.0 | 920.2 | 593.6 | 238.2 | 93.6 | 420.2 | 264.8 | 199.5 | 196.2 | 289.9 | 223.5 | 373.1 | 79.3 | 172.1 | 198.7 |

# 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 (well is on semi-annual sampling) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-00 | Sep-00 | Mar-01 | Mar-02 | Sep-02 | Feb-03 | Sep-03 | Mar-04 | Aug-04 | Feb-05 | Aug-05 | Aug-06* | Aug-07 | Oct-93 | (D)* | Mar-94 | Jun-94 | Aug-94 | Sep-94 | (D) |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <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 | <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 |
| 1,4-Dichlorobenzene | 5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 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 | | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 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 | <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 | <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 | <1 | <2 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 33.9 | 27.5 | 24.1 | 11.3 | 27.7 | 9.1 | 5.5 | 11.5 | 3.9 | 15.8 | 7.1 | 8.6 | 22.4 | 56.2 | 50.0 | 41.6 | 19.3 | 46.0 | 26.5 | 26.0 |
| Chloroform | 80 | 14.7 | 13.0 | 11.4 | 8.6 | 13.7 | 8.7 | 7.3 | 9.5 | 5.2 | 8.0 | 7.4 | 7.90 | 14.5 | 67.3 | 75.0 | 70.6 | 47.0 | 56.0 | 35.5 | 34.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.8 | 1.2 | 1.7 | <1 | 1.8 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | 2.3 | 1.3 | 1.1 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | 0.66 | <1 | 8.5 | 8.3 | 8.0 | 4.5 | 8.4 | 4.3 | 4.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 4.3 | 4.0 | 3.8 | 2.7 | 6.6 | 3.0 | 3.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 155.0 | 123.9 | 115.3 | 49.4 | 161.0 | 29.4 | 26.2 | 35.2 | 11.3 | 54.0 | 19.3 | 25.0 | 65.8 | 142.3 | 130.0 | 97.2 | 76.9 | 215.3 | 113.4 | 115.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 20.1 | 18.3 | 15.2 | 9.3 | 26.3 | 6.5 | 7.1 | 8.2 | 4.6 | 7.8 | 5.1 | 5.9 | 11.1 | 89.8 | 100.0 | 81.9 | 47.3 | 133.6 | 88.5 | 91.7 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 6.1 | | 9.1 | 12.9 | 25.2 | 16.2 | 11.7 |
| 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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 223.7 | 185.0 | 167.3 | 79.7 | 231.1 | 53.7 | 46.1 | 64.4 | 25.0 | 85.6 | 38.9 | 48.1 | 113.8 | 376.3 | 368.5 | 313.9 | 210.6 | 492.9 | 287.4 | 287.4 |
| Total Concentration of VOCs | | 223.7 | 185.0 | 167.3 | 79.7 | 231.1 | 53.7 | 46.1 | 64.4 | 25.0 | 85.6 | 38.9 | 48.1 | 113.8 | 376.3 | 368.5 | 313.9 | 210.6 | 492.9 | 287.4 | 287.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'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 | Nov-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 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 | <1 |
| n-Butylbenzene | | <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 |
| sec-Butylbenzene | | <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 |
| ter-Butylbenzene | | <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 |
| 1,4-Dichlorobenzene | 5 | <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 | <1 |
| Ethylbenzene | 300 | <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 |
| Isopropylbenzene | | <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 | <2 |
| p-Isopropyltoluene | | <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 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 | <5 |
| Naphthalene | | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <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 |
| Toluene | 150 | <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 |
| 1,2,4-Trimethylbenzene | | <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 |
| 1,3,5-Trimethylbenzene | | <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 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | 2.9 | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <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 | <1 |
| Bromoform | 80 | <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 | <2 |
| Carbon Tetrachloride | 0.5 | 52.0 | 7.6 | 20.0 | 18.0 | 20.0 | 18.0 | 33.0 | 36.6 | 32.0 | 29.0 | 47.4 | 15.3 | 9.9 | 11.7 | 27.2 | 33.6 | 15.1 | 16.3 | 23.4 | 25.9 |
| Chloroform | 80 | 88.0 | 26.0 | 44.0 | 38.0 | 42.0 | 39.6 | 61.0 | 64.2 | 50.0 | 52.0 | 71.1 | 58.6 | 27.0 | 37.6 | 54.8 | 65.9 | 40.8 | 44.2 | 44.3 | 49.8 |
| 1,1-Dichloroethane | 5 | 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 | 1.1 |
| 1,2-Dichloroethane | 0.5 | <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 | <2 |
| 1,1-Dichloroethene | 6 | 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 | 3.0 |
| cis-1,2-Dichloroethene | 6 | 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 | 4.1 |
| trans-1,2-Dichloroethene | 10 | <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 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <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 | <2 |
| 1,1,2,2-Tetrachloroethane | 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 | <1 |
| Tetrachloroethene | 5 | 150.0 | 17.0 | 59.0 | 37.0 | 72.0 | 38.5 | 93.9 | 106.0 | 100.0 | 100.0 | 129.0 | 35.8 | 24.0 | 29.9 | 70.8 | 90.3 | 33.1 | 93.6 | 68.9 | 86.3 |
| 1,1,1-Trichloroethane | 200 | 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 |
| 1,1,2-Trichloroethane | 5 | <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 | <1 |
| Trichloroethene | 5 | 110.0 | 19.0 | 41.0 | 35.0 | 43.2 | 27.1 | 57.1 | 69.6 | 66.0 | 65.0 | 90.0 | 29.9 | 22.0 | 20.2 | 53.0 | 63.4 | 25.2 | 38.4 | 43.6 | 51.6 |
| Freon-113 | 1200 | 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 | <1 |
| Freon-123A | | | | | | <1 | <1 | <1 | <1 | | | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <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 | <1 |
| Total Halogenated Hydrocarbons | | 419.57 | 75.31 | 171.32 | 134.05 | 199.7 | 126.0 | 255.4 | 291.1 | 259.5 | 257.1 | 356.8 | 149.0 | 82.9 | 104.8 | 212.3 | 262.5 | 116.6 | 196.5 | 183.9 | 221.8 |
| Total Concentration of VOCs | | 419.6 | 75.3 | 171.3 | 134.1 | 202.6 | 126.0 | 255.4 | 291.1 | 259.5 | 257.1 | 356.8 | 149.0 | 82.9 | 104.8 | 212.3 | 262.5 | 116.6 | 196.5 | 183.9 | 221.8 |

# 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) 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 | Feb-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 | 2.0 | <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 |
| 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 | 10.0 | 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 | 4.9 |
| Chloroform | 80 | 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 | 11.6 |
| 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 | 1.3 | <1 | <1 | <1 | <1 | 1.3 | 1.9 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 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 | 1.9 |
| 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 |
| 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 | 23.6 | 19.0 | 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 | 17.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <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 | 23.2 | 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 | 11.2 |
| 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 | | 88.5 | 67.6 | 127.9 | 146.3 | 6.9 | 8.4 | 9.1 | 22.5 | 143.9 | 161.4 | 70.9 | 131.1 | 39.3 | 50.6 | 2.4 | 14.3 | 15.8 | 32.2 | 84.6 | 47.2 |
| Total Concentration of VOCs | | 88.5 | 67.6 | 127.9 | 146.3 | 6.9 | 8.4 | 9.1 | 22.5 | 143.9 | 161.4 | 74.0 | 131.1 | 39.3 | 50.6 | 2.4 | 14.3 | 15.8 | 32.2 | 84.6 | 47.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-06* |
| **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 | <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 | <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 | <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 | <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 | <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 | <2 | <1 |
| 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 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <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 | 3.6 |
| Chloroform | 80 | 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 | 5.9 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <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 | 1.3 |
| 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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 7.9 | 5.1 | 9.4 | 13.4 | 12.8 | 12.9 | 12.3 | 11.0 | 5.3 | 4.7 | 6.3 | 7.2 | 9.9 | 14.6 | 16.3 | 13.3 | 15.3 | 15.6 | 12.3 | 20.0 |
| 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 | <0.5 |
| 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 | <0.5 |
| Trichloroethene | 5 | 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 | 7.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 18.3 | 8.9 | 25.5 | 36.9 | 35.3 | 38.5 | 37.9 | 25.5 | 18.3 | 13.7 | 20.1 | 19.3 | 23.8 | 34.1 | 36.9 | 30.3 | 34.6 | 34.1 | 28.0 | 37.8 |
| Total Concentration of VOCs | | 18.3 | 8.9 | 25.5 | 36.9 | 35.3 | 38.5 | 37.9 | 25.5 | 18.3 | 13.7 | 20.1 | 19.3 | 23.8 | 34.1 | 36.9 | 30.3 | 34.6 | 34.1 | 28.0 | 37.8 |

# 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' (well is on semi-annual sampling) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Mar-94 | (D)* | Jun-94 | Sep-94 | Dec-94* | Feb-95* | May-95* | May-95* |
| **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 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <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 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | 2.1 | 1.8 | 3.0 | 2.4 | 2.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Chloroform | 80 | 6.1 | 4.6 | 5.7 | 5.2 | 5.4 | <3 | <3 | 3.2 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | 0.60 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.0 | 1.7 | 1.3 | 1.3 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 17.1 | 15.0 | 10.4 | 4.4 | 11.0 | 12.0 | 10.0 | 8.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | 0.9 | <1 | <1 | 0.78 | <0.5 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| 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 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | 9.7 | 8.3 | 15.8 | 10.4 | 11.1 | 3.7 | 2.4 | 2.5 | 2.9 | 2.8 | 3.2 | 3.1 | 55.9 | 44.0 | 27.8 | 26.6 | 27.0 | 34.0 | 34.0 | 36.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | 5.1 | 4.5 | 7.4 | 5.3 | 5.7 | 2.0 | 2.0 | 2.4 | 2.5 | 2.6 | 2.5 | 2.5 | 26.3 | 20.0 | 11.2 | 9.6 | 11.0 | 14.0 | 12.0 | 11.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.2 | <0.5 | <1 | <1 | 0.69 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 25.0 | 20.9 | 33.2 | 24.6 | 25.9 | 5.7 | 4.4 | 8.1 | 5.4 | 5.4 | 5.7 | 5.6 | 106.7 | 79.9 | 49.4 | 40.6 | 51.07 | 60.0 | 56.0 | 55.9 |
| Total Concentration of VOCs | | 25.0 | 20.9 | 33.2 | 24.6 | 25.9 | 5.7 | 4.4 | 8.1 | 5.4 | 5.4 | 5.7 | 5.6 | 106.7 | 79.9 | 49.4 | 40.6 | 51.07 | 60.0 | 56.0 | 55.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-42' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-95 | Dec-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96 | Mar-97 | Aug-97 | May-98 | May-99 | Aug-00 | Aug-01 | Sep-02 | Aug-03 | Aug-04 | Oct-04 | Oct-04 | Aug-05 | Oct-05 | 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 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,4-Dichlorobenzene | 5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <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 | | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | <2 | <2 | <2 | <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 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <2 | <2 | <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 | <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 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.86 |
| 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 | <1 | <1 | <1 | <1 | <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 | 8.7 | <1 | 12.9 | 12.3 | 4.0 | 4.7 | 4.2 | 1.8 | 13.5 | 5.8 | <1 | <1 | <1 | <1 | 1.4 | <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 | | <1 | <1 | <1 | <1 | <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 | 38.8 | 37.1 | 33.8 | 33.5 | 32.8 | 23.1 | 20.5 | 20.5 | 47.2 | 29.9 | 14.4 | 14.1 | 10.3 | 10.5 | 9.3 | 9.2 | 3.5 | 6.3 | 3.9 | 7.1 |
| 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 | 11.4 | 5.5 | 10.0 | 9.5 | 6.6 | 6.5 | 5.7 | 3.8 | 16.1 | 6.4 | 1.6 | 1.7 | <1 | <1 | 2.1 | 3.6 | <1 | <1 | <1 | 0.73 |
| Freon-113 | 1200 | <5 | <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 | | 58.9 | 42.6 | 56.7 | 55.3 | 43.4 | 34.3 | 30.4 | 26.1 | 76.8 | 42.1 | 16.0 | 15.8 | 10.3 | 10.5 | 12.8 | 12.8 | 3.5 | 6.3 | 3.9 | 8.69 |
| Total Concentration of VOCs | | 58.9 | 42.6 | 56.7 | 55.3 | 43.4 | 34.3 | 30.4 | 26.1 | 76.8 | 42.1 | 16.0 | 15.8 | 10.3 | 10.5 | 12.8 | 12.8 | 3.5 | 6.3 | 3.9 | 8.7 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 53-93-16-42'(Cont'd | | 53-93-16-69' (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-06 | Sep-07* | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | | | | | | | | | | | | | | | | | | <5 | <5 |
| Naphthalene | | <2 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <4 | <200 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <4 | <2 | <4 | <200 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | 57.6 | 50.0 | 44.4 | 20.8 | 39.0 | 52.0 | 38.0 | 45.0 | 93.4 | 60.6 | 45.8 | 32.7 | 35.6 | <100 | 30.7 | 37.7 | 34.5 | 37.2 |
| Chloroform | 80 | <3 | <0.5 | 19.7 | 16.0 | 19.6 | 7.8 | 21.0 | 16.0 | 15.0 | 16.0 | 23.7 | 18.8 | 14.8 | 13.9 | 29.3 | <100 | 11.0 | 13.8 | 12.4 | 13.1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | 9.5 | 10.0 | 9.3 | 4.0 | 12.0 | 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 |
| 1,2-Dichloroethane | 0.5 | <2 | <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 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | 46.1 | 30.0 | 29.9 | 16.9 | 31.0 | 34.0 | 30.0 | 32.0 | 29.0 | 33.2 | 30.6 | 34.9 | 25.2 | <100 | 19.3 | 23.8 | 20.1 | 22.4 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | 91.4 | 88.0 | 104.3 | 65.7 | 100.0 | 60.0 | 69.0 | 51.0 | 115.0 | 78.6 | 87.6 | 106.0 | 83.0 | <100 | 61.4 | 56.9 | 43.5 | 47.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | 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 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 5.5 | 3.3 | 617.1 | 730.0 | 547.4 | 420.5 | 790.0 | 610.0 | 580.0 | 520.0 | 2000.0 | 954.0 | 734.0 | 858.0 | 627.0 | 758.0 | 507.0 | 516.0 | 354.0 | 389.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | 283.6 | 290.0 | 206.0 | 232.2 | 320.0 | 250.0 | 210.0 | 210.0 | 1080.0 | 390.0 | 307.0 | 326.0 | 257.0 | 165.0 | 199.0 | 207.0 | 138.0 | 174.0 |
| Freon-113 | 1200 | <1 | <0.5 | 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 |
| Freon-123A | | <1 | | <1 | | <1 | <1 | | | | | <1 | <1 | <2 | <1 | <2 | <100 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | 23.0 | 12.0 | 9.2 | 2.6 | 16.0 | 9.2 | 7.3 | 5.7 | <1 | 5.1 | <2 | 6.8 | 8.4 | <100 | 3.7 | 3.6 | 1.4 | 2.6 |
| Total Halogenated Hydrocarbons | | 5.5 | 3.3 | 1165.1 | 1236.5 | 992.4 | 781.7 | 1342.8 | 1048.1 | 963.6 | 896.3 | 3353.2 | 1551.0 | 1233.9 | 1395.7 | 1093.6 | 923.0 | 845.6 | 870.2 | 613.4 | 696.9 |
| Total Concentration of VOCs | | 5.5 | 3.3 | 1,165 | 1,237 | 992.4 | 781.7 | 1,343 | 1,048 | 963.6 | 896.3 | 3,353 | 1,551 | 1,234 | 1,396 | 1,094 | 923.0 | 845.6 | 870.2 | 613.4 | 696.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-97 | Dec-97 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <25 | <50 | <50 | <25 | <50 | <5 | <50 | <5 | <25 | <5 | <5 | <50 | <50 | <5 | <0.5 | <0.5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <1 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 20.8 | 28.9 | 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 |
| Chloroform | 80 | <10 | 10.6 | 15.2 | 15.7 | 8.5 | 10.5 | 8.3 | <10 | 10.0 | <15 | 8.3 | 8.2 | <10 | <10 | 5.3 | 1.1 | <0.5 | <3 | 3.1 | 5.1 |
| 1,1-Dichloroethane | 5 | <10 | <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 |
| 1,2-Dichloroethane | 0.5 | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 15.7 | 18.8 | 19.9 | 21.9 | 12.4 | 16.0 | 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 |
| cis-1,2-Dichloroethene | 6 | 32.4 | 36.2 | 34.0 | 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 | 15.0 |
| trans-1,2-Dichloroethene | 10 | <10 | <5 | <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 |
| Methylene Chloride | 5 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <10 | <20 | <20 | <10 | <20 | <2 | <20 | <2 | <10 | <2 | <2 | <20 | <20 | <2 | <0.5 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 351.0 | 375.0 | 382.0 | 386.0 | 334.0 | 348.0 | 186.0 | 84.7 | 368.0 | 263.6 | 335.3 | 405.6 | 289.7 | 532.0 | 588.0 | 86.0 | 14.0# | 144.0 | 187.0 | 315.0 |
| 1,1,1-Trichloroethane | 200 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | 1.4 | 4.9 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 145.0 | 154.0 | 186.0 | 167.0 | 114.0 | 129.0 | 111.0 | 32.0 | 97.9 | 109.7 | 131.1 | 141.4 | 120.2 | 187.0 | 210.0 | 26.0 | 3.3 | 54.7 | 55.6 | 87.7 |
| Freon-113 | 1200 | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | 2.5 | <5 | 1.1 | 1.0 | <10 | <10 | <1 | <0.5 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <10 | <5 | <10 | <10 | <5 | <10 | <1 | <10 | <1 | <5 | <1 | <1 | <10 | <10 | <1 | | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <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 |
| Total Halogenated Hydrocarbons | | 564.9 | 623.5 | 671.3 | 663.9 | 519.3 | 561.3 | 373.5 | 126.8 | 542.1 | 444.2 | 554.7 | 629.7 | 445.8 | 778.2 | 853.6 | 121.0 | 17.3 | 198.7 | 262.9 | 440.1 |
| Total Concentration of VOCs | | 564.9 | 623.5 | 671.3 | 663.9 | 519.3 | 561.3 | 373.5 | 126.8 | 542.1 | 444.2 | 554.7 | 629.7 | 445.8 | 778.2 | 853.6 | 121.0 | 17.3 | 198.7 | 262.9 | 440.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 53-93-16-69' (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-04 | Aug-04 | 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 |
| **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 | 1.3 | 1.9 | 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 |
| Chloroform | 80 | <3 | <3 | <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 |
| 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 | 1.9 | 2.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 2.2 | 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 |
| 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 | 20.3 | 25.8 | 21.0 | 3.2 | <1 | <1 | 83.4 | 128.0 | 75.9 | 124.0 | 58.6 | 47.4 | <1 | 62.4 | 28.6 | 32.1 | 31.3 | 23.1 | 28.0 | 11.7 |
| 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 | 7.4 | 9.8 | 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 | 11.0 | 6.7 |
| 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 | <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 | | 29.0 | 39.7 | 33.6 | 3.2 | | | 122.5 | 194.3 | 115.8 | 182.8 | 92.9 | 71.4 | 2.4 | 93.6 | 46.5 | 53.2 | 52.9 | 41.3 | 46.0 | 19.9 |
| Total Concentration of VOCs | | 29.0 | 39.7 | 33.6 | 3.2 | | | 122.5 | 194.3 | 115.8 | 182.8 | 92.9 | 71.4 | 2.4 | 93.6 | 46.5 | 53.2 | 52.9 | 41.3 | 46.0 | 19.9 |

# 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 (well is on semi-annual sampling) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Aug-07 | Sep-07 | Sep-95 | Nov-95 | Jun-96 | Sep-96 | Dec-96(G) |
| **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 | <5 | <50 | <0.5 |
| n-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| sec-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| ter-Butylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| Isopropylbenzene | | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <100 | <0.5 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 |
| 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 | <1 | <1 | <5 | <100 | <0.5 |
| n-Propylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <10 | <50 | <0.5 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <10 | <100 | <1 |
| 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 | <5 | <50 | <0.5 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <100 | <0.5 |
| Carbon Tetrachloride | 0.5 | 4.7 | 4.1 | 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 | 354.0 | 381.0 | 14.1 | 320.0 | 44.0 |
| Chloroform | 80 | 3.6 | 3.3 | 3.2 | 3.6 | 3.7 | 3.2 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 35.1 | 46.6 | <5 | <50 | 4.2 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 16.6 | 19.9 | <5 | <50 | 1.9 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <5 | <100 | <0.5 |
| 1,1-Dichloroethene | 6 | 1.2 | 1.2 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 78.3 | 103.0 | 6.2 | 66.0 | 8.6 |
| cis-1,2-Dichloroethene | 6 | 2.9 | 2.4 | 2.0 | 2.7 | 1.6 | 2.4 | 1.1 | 1.1 | <1 | 1.9 | 1.1 | <1 | <1 | <1 | <1 | 551.0 | 556.0 | 50.0 | 321.0 | 59.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | <1 | <5 | <50 | 0.57 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 30.9 | <1 | <5 | <100 | 3.7 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 |
| Tetrachloroethene | 5 | 73.0 | 67.0 | 30.9 | 69.0 | 39.5 | 55.7 | 23.3 | 28.8 | 17.3 | 44.6 | 20.4 | 16.0 | 18.7 | 35.3 | 16.4 | 14,820 | 8,880 | 1,050 | 18,390 | 2,000 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.9 | <1 | <5 | <50 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | <0.5 |
| Trichloroethene | 5 | 27.1 | 25.0 | 12.0 | 27.3 | 15.0 | 23.0 | 9.4 | 12.1 | 7.0 | 18.0 | 9.4 | 7.0 | 7.7 | 15.6 | 7.9 | 8,650 | 7,710 | 435.0 | 11,030 | 1,100 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | 2.6 | <5 | <50 | <30 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <50 | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | 2.0 | <5 | <50 | <0.5 |
| Total Halogenated Hydrocarbons | | 112.5 | 103.0 | 50.7 | 108.6 | 63.7 | 88.7 | 36.5 | 44.4 | 26.3 | 67.6 | 33.3 | 24.7 | 28.4 | 53.8 | 26.3 | 24,547 | 17,701 | 1,555.3 | 30,127 | 3,222 |
| Total Concentration of VOCs | | 112.5 | 103.0 | 50.7 | 108.6 | 63.7 | 88.7 | 36.5 | 44.4 | 26.3 | 67.6 | 33.3 | 24.7 | 28.4 | 53.8 | 26.3 | 24,547 | 17,701 | 1,555 | 30,127 | 3,222 |

# 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) Mar-97 | Jun-97 | Sep-97 | Nov-97 | (D)* | Mar-98 | Jun-98 | Sep-98 | Dec-98 | Jan-99(G) | Mar-99 | Jun-99 | Mar-00 | Sep-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Isopropylbenzene | | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <500 | <500 | <500 | <200 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <50 | <50 | <50 | <5 | <5 | <5 | <50 | <5 |
| Naphthalene | | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Toluene | 150 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <2 | <200 | <200 | <200 | <300 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Bromoform | 80 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | 50.9 | 327.0 | 226.0 | 216.0 | 200.0 | 105.0 | 165.0 | 199.0 | <100 | 108.0 | <100 | <100 | 49.5 | 24.6 | 18.9 | 3.0 | <1 | 33.3 | <10 | 1.8 |
| Chloroform | 80 | 6.8 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <30 | <30 | <3 | <3 | <3 | <30 | <3 |
| 1,1-Dichloroethane | 5 | 2.1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | 1.9 | <10 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 9.3 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | 7.9 | <10 | <1 |
| cis-1,2-Dichloroethene | 6 | 74.6 | 236.0 | 212.0 | 232.0 | 270.0 | 110.0 | 197.0 | 228.0 | <100 | 150.0 | <100 | <100 | 71.6 | 135.5 | 21.0 | 14.6 | 5.5 | 81.7 | 16.8 | 27.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Methylene Chloride | 5 | <1 | <100 | <100 | <100 | <300 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <20 | <20 | <2 | <2 | 5.3 | <20 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 1,920 | 13,300 | 8,260 | 6,170 | 5,400 | 4,010 | 6,630 | 10,200 | 2,200 | 5,300 | 1,730 | 1,390 | 1,360 | 1,269 | 752.8 | 153.5 | 13.7 | 1,780 | 342.0 | 144.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | 27.3 | <10 | <1 |
| Trichloroethene | 5 | 1,100 | 6,810 | 5,500 | 5,650 | 5,200 | 2,550 | 3,160 | 5,310 | 1,180 | 2,550 | 795.0 | 559.0 | 697.0 | 685.7 | 382.7 | 92.8 | 11.2 | 875.0 | 183.0 | 76.4 |
| Freon-113 | 1200 | <1 | <100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Freon-123A | | <1 | <100 | <100 | <100 | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | <1 | <100 | <100 | <100 | <300 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <10 | <1 | <1 | <1 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 3,163.7 | 20,673 | 14,198 | 12,268 | 11,070 | 6,775 | 10,152 | 15,937 | 3,380 | 8,108 | 2,525 | 1,949 | 2,178 | 2,114 | 1,175 | 263.9 | 30.4 | 2,812.4 | 541.8 | 249.4 |
| Total Concentration of VOCs | | 3,163.7 | 20,673 | 14,198 | 12,268 | 11,070 | 6,775 | 10,152 | 15,937 | 3,380 | 8,108 | 2,525 | 1,949 | 2,178 | 2,114 | 1,175 | 263.9 | 30.4 | 2,812 | 541.8 | 249.4 |

# 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) (well is on annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-03 | Mar-04 | Aug-04 | Mar-05 | Mar-05 | Aug-05 | Feb-06 | Aug-06* | Feb-07 | Sep-07* | 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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | | | | | | <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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <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 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <1 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 23.9 | 27.0 | 39.7 | 41.3 | 36.9 | 14.9 | 27.6 | 16.5 | 22.2 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | 12.0 | 12.0 | 12.0 | 14.0 | 11.4 | 12.5 | 14.8 | 8.5 | 9.4 | 6.8 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 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 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | 1.4 | 1.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 24.7 | 16.0 | 17.1 | 2.6 | 19.0 | 12.4 | 16.2 | 8.8 | 11.9 | 9.2 |
| cis-1,2-Dichloroethene | 6 | 17.9 | 4.1 | 5.9 | 3.6 | 3.6 | 4.0 | 2.2 | 2.9 | 1.6 | 1.1 | 34.1 | 30.0 | 27.2 | 24.7 | 21.4 | 30.0 | 24.7 | 16.0 | 20.1 | 28.4 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 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 | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <0.5 | <1 | <0.5 | <1 | <2 | <20 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 204.0 | 14.2 | 9.9 | 21.2 | 21.2 | 9.7 | 4.4 | 4.5 | 2.5 | 2.7 | 280.0 | 260.0 | 338.0 | 330.0 | 376.0 | 184.0 | 246.0 | 157.0 | 176.0 | 104.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | 1.2 | 0.96 | 1.4 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 58.1 | 7.9 | 6.4 | 10.6 | 10.6 | 4.7 | 1.8 | 2.6 | 1.8 | 1.5 | 104.0 | 130.0 | 153.0 | 130.0 | 120.0 | 94.7 | 127.0 | 78.6 | 96.3 | 68.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | 1.9 | 1.6 | <10 | 1.2 | <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 | <0.5 | <1 | <0.5 | 1.9 | 2.2 | 1.5 | <1 | <10 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 281.5 | 26.2 | 22.2 | 35.4 | 35.4 | 18.4 | 8.4 | 10.0 | 5.9 | 5.3 | 489.5 | 485.76 | 596.8 | 546.0 | 584.7 | 352.1 | 460.3 | 288.1 | 339.0 | 220.9 |
| Total Concentration of VOCs | | 281.5 | 26.2 | 22.2 | 35.4 | 35.4 | 18.4 | 8.4 | 10.0 | 5.9 | 5.3 | 489.5 | 485.8 | 596.8 | 546.0 | 584.7 | 352.1 | 460.3 | 288.1 | 339.0 | 220.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 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 | 19.0 | 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 | 14.0 | 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 | 170.0 | 177.7 | 155.3 | 209.8 | 76.4 | 139.7 | 214.0 | 193.0 | 140.0 | 126.0 | 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 | 68.0 | 73.7 | 87.0 | 43.6 | 57.8 | 74.6 | 75.0 | 55.8 | 51.4 | 24.4 | 27.3 | 21.0 | 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 | | 308.0 | 298.9 | 286.2 | 354.6 | 159.0 | 238.9 | 351.2 | 302.5 | 241.8 | 218.5 | 102.6 | 121.4 | 99.2 | 116.2 | 71.6 | 91.3 | 73.6 | 70.7 | 82.0 | 73.7 |
| Total Concentration of VOCs | | 308.0 | 298.9 | 286.2 | 354.6 | 159.0 | 238.9 | 351.2 | 302.5 | 241.8 | 218.5 | 102.6 | 121.4 | 99.2 | 116.2 | 71.6 | 91.3 | 73.6 | 70.7 | 82.0 | 73.7 |

# 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 (well is on semi-annual sampling) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Jun-94* | (D) ^ | Sep-94 | Dec-94* | Mar-95* | May-95* | Jun-95 | Aug-95 | (D)* | Dec-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1.0 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <0.5 | <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 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <5 | <1 | <0.5 | <0.5 | 0.64 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 7.7 | 10.0 | 2.5 | 5.2 | 6.3 | 6.3 | 8.9 | 6.0 | 6.2 | 6.1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | 2.1 | 1.5 | 1.5 | 1.8 | 2.0 | 2.1 | 1.5 | 1.8 | <1 | 1.5 | 28.0 | 34.0 | 10.3 | 17.0 | 22.0 | 22.0 | 24.8 | 27.7 | 20.0 | 29.3 |
| 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 | 6.4 | 8.0 | 4.2 | 5.4 | 6.0 | 5.9 | 8.9 | 7.6 | 5.8 | 7.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | 4.1 | <1 | <0.5 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <10 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 |
| Tetrachloroethene | 5 | 38.4 | 34.0 | 38.8 | 37.0 | 34.5 | 34.9 | 34.8 | 38.5 | 42.4 | 39.6 | 32.0 | 31.0 | 16.5 | 19.0 | 28.0 | 30.0 | 36.8 | 32.7 | 29.0 | 32.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <5 | <1 | 1.1 | 1.7 | 1.7 | 4.0 | 1.7 | 1.4 | 1.8 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | 2.0 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | 15.2 | 13.8 | 15.3 | 14.6 | 13.7 | 14.5 | 13.4 | 15.4 | 16.1 | 15.1 | 50.0 | 52.0 | 33.3 | 33.0 | 40.0 | 39.0 | 58.4 | 44.5 | 37.0 | 39.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | | <1 | <0.5 | <0.5 | 1.8 | <5 | <5 | <0.5 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | | | | <1 | <1 | | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 | <10 | <1 | 5.6 | 3.1 | 2.9 | <1 | 3.4 | 2.7 | 3.0 |
| Total Halogenated Hydrocarbons | | 62.9 | 56.0 | 62.4 | 59.7 | 56.8 | 58.9 | 56.3 | 63.1 | 65.1 | 62.4 | 129.3 | 135.0 | 66.8 | 86.3 | 107.1 | 110.24 | 147.9 | 123.6 | 102.1 | 120.4 |
| Total Concentration of VOCs | | 62.9 | 56.0 | 62.4 | 59.7 | 56.8 | 58.9 | 56.3 | 63.1 | 65.1 | 62.4 | 129.3 | 135.0 | 66.8 | 86.3 | 107.1 | 110.24 | 147.9 | 123.6 | 102.1 | 120.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-93-3 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-96 | Jun-96 | 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 |
| **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 | <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 | <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 | <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 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 7.7 | 6.4 | 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 |
| 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 | 20.6 | 24.5 | 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 | 18.0 | 12.5 |
| cis-1,2-Dichloroethene | 6 | 8.1 | 8.6 | 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 |
| 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 | 28.7 | 30.9 | 24.2 | 15.2 | 37.0 | 42.2 | 34.0 | 37.6 | 41.9 | 39.1 | 29.9 | 18.5 | 23.1 | 20.0 | 33.2 | 35.2 | 28.9 | 60.0 | 54.1 | 30.4 |
| 1,1,1-Trichloroethane | 200 | 4.1 | 3.3 | 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 39.6 | 30.4 | 36.1 | 24.9 | 37.4 | 46.3 | 29.0 | 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 |
| 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 | 4.5 | 1.9 | 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 |
| Total Halogenated Hydrocarbons | | 113.3 | 106.0 | 85.8 | 55.4 | 111.6 | 125.6 | 87.9 | 101.3 | 118.4 | 108.2 | 78.2 | 52.2 | 67.6 | 55.9 | 76.5 | 85.5 | 67.5 | 134.5 | 126.8 | 79.1 |
| Total Concentration of VOCs | | 113.3 | 106.0 | 85.8 | 55.4 | 111.6 | 125.6 | 87.9 | 101.3 | 118.4 | 108.2 | 78.2 | 52.2 | 67.6 | 55.9 | 76.5 | 85.5 | 67.5 | 134.5 | 126.8 | 79.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-93-3 (Cont'd) | | | | | | | | | | | 58-95-11 (well is on annual sampling) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-03 | Aug-03* | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Dec-06 | Feb-07 | Aug-07 | Jun-95 | (D)* | Sep-95 | Dec-95 | Feb-96 | Jun-96 | Aug-96 | Nov-96 | Mar-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 7.9 | 6.9 | 6.8 | 8.2 | 9.6 | 8.7 | 7.2 | 6.7 | 6.0 | 6.1 | 8.0 | 4.0 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 10.4 | 9.0 | 12.5 | 22.1 | 22.0 | 17.3 | 13.1 | 13.6 | 13.7 | 10.7 | 9.3 | 4.2 | 1.4 | 2.6 | 2.3 | 1.5 | <1 | 1.0 | <1 | 1.5 |
| cis-1,2-Dichloroethene | 6 | 4.6 | 4.8 | 4.7 | 6.1 | 6.9 | 6.3 | 5.2 | 6.2 | 7.0 | 5.9 | 6.5 | 4.9 | 0.92 | 1.5 | <1 | 1.4 | 1.1 | <1 | <1 | 1.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.3 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 26.8 | 26.0 | 22.8 | 36.1 | 42.6 | 37.3 | 31.2 | 30.9 | 31.4 | 27.0 | 23.5 | <1 | 1.2 | 1.7 | 1.6 | 1.3 | <1 | <1 | <1 | 1.3 |
| 1,1,1-Trichloroethane | 200 | 1.4 | 1.2 | <1 | 1.5 | 3.5 | 2.5 | 1.8 | 1.5 | 1.4 | 1.4 | 1.3 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 17.8 | 17.0 | 18.8 | 27.6 | 31.1 | 28.3 | 19.4 | 21.2 | 21.5 | 18.4 | 17.3 | 15.2 | 12.0 | 15.3 | 11.9 | 12.3 | 5.7 | 9.0 | 5.5 | 11.4 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <5 | <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 | 3.9 | 2.3 | 2.4 | 1.9 | 2.0 | 1.4 | 1.9 | 1.2 | 1.2 | 1.0 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 72.8 | 67.2 | 68.0 | 103.5 | 117.7 | 101.8 | 79.8 | 81.3 | 82.2 | 70.5 | 65.9 | 32.6 | 15.5 | 21.1 | 15.8 | 16.5 | 6.8 | 10.0 | 5.5 | 15.2 |
| Total Concentration of VOCs | | 72.8 | 67.2 | 68.0 | 103.5 | 117.7 | 101.8 | 79.8 | 81.3 | 82.2 | 70.5 | 65.9 | 32.6 | 15.5 | 21.1 | 15.8 | 16.5 | 6.8 | 10.0 | 5.5 | 15.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58-95-11 (Cont'd) | | | | | | | | | | | | | | 58-95-18 (well is on semi-annual sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-97 | Jun-98 | May-99 | Feb-00 | Aug-00 | Feb-01 | Aug-01 | Feb-02 | Sep-02 | Aug-03* | Aug-04 | Aug-05 | Jul-06 | Aug-07 | Aug-95 | Sep-95 | (D)* | Dec-95 | Feb-96 | Jun-96 |
| **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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <5 | <5 | <5 | <5 | | | | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 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 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 10.4 | 11.7 | 9.7 | 13.2 | 9.1 | 9.9 |
| 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 | 1.5 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 42.8 | 45.0 | 32.0 | 49.6 | 24.5 | 42.7 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.4 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 10.3 | 11.3 | 8.2 | 12.1 | 7.4 | 11.0 |
| 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 |
| 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 | 1.3 | 3.7 | 2.2 | 1.8 | <1 | <1 | <1 | <1 | <1 | 0.51 | <1 | <1 | <1 | <1 | 25.4 | 27.7 | 25.0 | 26.4 | 15.6 | 22.7 |
| 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 | 10.0 | 11.5 | 7.4 | 6.5 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 1.8 | 1.9 | <1 | <1 | <1 | 41.2 | 40.8 | 40.0 | 41.5 | 24.1 | 27.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <5 | <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 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 12.8 | 18.1 | 11.3 | 8.3 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 2.31 | 1.9 | | | | 130.1 | 136.5 | 114.9 | 142.8 | 80.7 | 113.4 |
| Total Concentration of VOCs | | 12.8 | 18.1 | 11.3 | 8.3 | 4.9 | 4.3 | 3.0 | 3.7 | 2.7 | 2.31 | 1.9 | | | | 130.1 | 136.5 | 114.9 | 142.8 | 80.7 | 113.4 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-18 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-96 | Dec-96 | Feb-97 | May-97 | Sep-97 | Dec-97 | 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 |
| **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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | 3.4 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 9.3 | 15.0 | 2.6 | 7.8 | 11.0 | 7.4 | 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 |
| 1,2-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 | 11.3 | 64.7 | 8.2 | 20.3 | 20.2 | 21.2 | 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 |
| cis-1,2-Dichloroethene | 6 | 8.4 | 12.0 | 3.1 | 7.7 | 9.4 | 7.1 | 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 |
| 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 | 9.8 | 35.4 | 6.8 | 10.7 | 16.6 | 19.8 | 6.6 | 13.0 | 12.2 | 11.9 | 6.8 | 8.7 | 8.9 | 12.9 | 5.1 | 9.9 | 6.0 | 5.8 | 5.5 | 8.1 |
| 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 | 31.6 | 62.9 | 10.9 | 23.3 | 33.3 | 28.6 | 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 |
| 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 | | 70.4 | 190.0 | 31.6 | 69.8 | 90.5 | 84.1 | 20.0 | 61.6 | 59.3 | 64.2 | 27.2 | 43.1 | 29.2 | 61.5 | 24.7 | 55.1 | 27.4 | 34.3 | 27.2 | 48.1 |
| Total Concentration of VOCs | | 70.4 | 190.0 | 31.6 | 69.8 | 90.5 | 84.1 | 20.0 | 61.6 | 59.3 | 64.2 | 27.2 | 43.1 | 29.2 | 61.5 | 24.7 | 55.1 | 27.4 | 34.3 | 27.2 | 48.1 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Jul-06 | Aug-07 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | 4.9 | 26.2 | <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 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | 4.9 | 26.2 | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | 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 |
| 1,1-Dichloroethane | 5 | 1.4 | 3.2 | <1 | 1.7 | 2.6 | 3.0 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 1.9 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.6 | 10.4 | 3.7 | 5.1 | 6.9 | 9.3 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.7 | 5.4 | 2.2 | 3.6 | 4.8 | 5.6 | <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 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 4.3 | 7.0 | 4.1 | 4.3 | 6.1 | 7.1 | <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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 6.1 | 11.4 | 5.9 | 8.5 | 10.5 | 13.3 | 1.4 | 10.6 | 24.9 | 12.0 | 12.0 | 23.0 | 172.0 | 29.1 | 52.8 | 24.7 | 43.1 | 33.3 | 41.7 | 47.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 19.1 | 37.4 | 15.9 | 23.2 | 30.9 | 38.3 | 12.1 | 19.6 | 47.7 | 18.4 | 18.8 | 34.4 | 275.1 | 43.6 | 82.8 | 39.4 | 65.5 | 53.7 | 67.0 | 73.0 |
| Total Concentration of VOCs | | 19.1 | 37.4 | 15.9 | 23.2 | 30.9 | 38.3 | 17.0 | 45.8 | 47.7 | 18.4 | 18.8 | 34.4 | 275.1 | 43.6 | 82.8 | 39.4 | 65.5 | 53.7 | 67.0 | 73.0 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-19 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-99 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <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 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <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 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.9 | <1 | <1 | <1 | <1 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 8.2 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.3 | 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 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | 1.2 | 1.3 | <1 | <1 | 1.5 | <1 | 1.5 | <1 | <1 | 1.8 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 37.3 | 31.7 | 21.9 | 16.2 | 47.9 | 49.6 | 34.5 | 126.6 | 96.7 | 62.4 | 47.9 | 133.8 | 91.0 | 166.4 | 139.0 | 109.0 | 195.0 | 143.0 | 151.0 | 113.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <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 |
| 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 | | <2 | <2 | <2 | <2 | <2 | <20 | <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 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 18.5 | 8.3 | 2.4 | 8.2 | 7.9 | 46.3 | 8.2 | 11.0 | 7.9 | 6.3 | 3.5 | 10.2 | 13.5 | 22.7 | 11.6 | 8.6 | 31.0 | 24.0 | 29.6 | 11.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 107.0 | 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 | 147.0 | 124.0 | 134.0 | 62.3 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | 1.3 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 166.0 | 114.3 | 77.3 | 74.7 | 100.3 | 223.6 | 93.7 | 240.5 | 178.7 | 133.3 | 93.8 | 252.7 | 199.1 | 341.5 | 239.8 | 190.3 | 378.9 | 294.1 | 316.0 | 186.7 |
| Total Concentration of VOCs | | 166.0 | 114.3 | 77.3 | 74.7 | 100.3 | 223.6 | 93.7 | 240.5 | 178.7 | 133.3 | 93.8 | 252.7 | 199.1 | 341.5 | 239.8 | 190.3 | 378.9 | 294.1 | 316.0 | 186.7 |

# 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-06 | Aug-06* | Feb-07 | Sep-07 | (D)* | Aug-95(G | Oct-95 | Dec-95 | Mar-96 | May-96^ | Jun-96 | Aug-96 | Dec-96* | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Mar-98 | Jun-98 | Sep-98 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | | <2 | <2 | | <1 | <1 | <1 | <1 | <5 | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <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 | | <1 | <1 | <1 | <1 | | <1 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | | <1 | <2 | <2 | <2 | <5 | <2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <10 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <1 | 6.7 | 5.2 | 2.0 | 6.9 | <5 | 3.1 | 1.9 | 1.5 | 4.0 | 3.0 | 1.4 | 1.4 | 6.7 | 5.0 | 1.4 |
| 1,1-Dichloroethane | 5 | 1.1 | 1.5 | 1.5 | 1.2 | 1.2 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.8 | 1.8 | 1.8 | 1.2 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 103.0 | 130.0 | 135.0 | 112.0 | 97.0 | <1 | <1 | <1 | 6.5 | 7.7 | 3.3 | 1.3 | 0.85 | 3.1 | 1.9 | <1 | <1 | 7.9 | 4.7 | 1.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | 1.4 | <1 | 3.9 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 15.8 | 31.0 | 25.3 | 50.7 | 44.0 | 14.5 | <1 | <1 | 11.1 | 20.0 | 7.5 | 2.8 | 3.3 | 8.1 | 4.6 | 2.0 | 3.1 | 25.9 | 17.5 | 5.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 85.4 | 120.0 | 120.0 | 134.0 | 110 | 3.2 | <1 | <1 | 8.0 | 19.0 | 4.8 | 2.9 | 3.0 | 7.4 | 5.0 | 1.8 | 2.6 | 23.5 | 14.4 | 4.0 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 205.3 | 284.3 | 285.0 | 299.7 | 257.3 | 24.4 | 5.2 | 2.0 | 32.5 | 46.7 | 18.7 | 8.9 | 8.65 | 22.6 | 14.5 | 5.2 | 7.1 | 64.0 | 41.6 | 12.5 |
| Total Concentration of VOCs | | 205.3 | 284.3 | 285.0 | 299.7 | 257.3 | 24.4 | 5.2 | 2.0 | 32.5 | 46.7 | 18.7 | 8.9 | 8.65 | 22.6 | 14.5 | 5.2 | 7.1 | 64.0 | 41.6 | 12.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58-95-20 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-98 | Feb-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Mar-01 | May-01 | Aug-01 | Nov-01 | Mar-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-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 |
| 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 | 1.7 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <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 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 1.5 | 1.5 | 2.9 | 2.9 | 1.4 | 3.8 | 3.1 | <3 | <3 | <3 | 3.2 | <3 | <3 | 3.0 | <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 | 6.8 | 5.1 | 2.1 | 1.0 | 5.3 | 1.4 | <1 | <1 | <1 | 5.9 | 2.0 | <1 | 7.1 | 4.1 | 2.7 | 6.1 | 1.9 | 2.2 | <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 | 5.3 | 13.4 | 11.8 | 4.8 | 3.9 | 29.4 | 7.0 | 4.0 | 3.6 | 6.5 | 12.0 | 4.7 | 3.9 | 15.4 | 15.0 | 6.1 | 12.8 | 6.5 | 8.3 | 5.7 |
| 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 | 3.8 | 10.4 | 8.4 | 5.2 | 3.1 | 15.8 | 5.5 | 2.9 | 2.8 | 4.0 | 12.2 | 4.5 | 4.1 | 14.7 | 11.9 | 5.5 | 10.0 | 5.0 | 5.7 | 4.2 |
| 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 | | 11.6 | 32.1 | 28.2 | 15.0 | 9.4 | 55.5 | 17.0 | 6.9 | 6.4 | 10.5 | 33.3 | 11.2 | 8.0 | 40.2 | 31.0 | 14.3 | 28.9 | 13.4 | 16.2 | 9.9 |
| Total Concentration of VOCs | | 11.6 | 32.1 | 28.2 | 15.0 | 9.4 | 55.5 | 17.0 | 6.9 | 6.4 | 10.5 | 33.3 | 11.2 | 8.0 | 40.2 | 31.0 | 17.4 | 28.9 | 13.4 | 16.2 | 9.9 |

# 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 | Jul-06 | Aug-07 | Nov-96(G) | Jan-97 | (D)* | Mar-97 | (D)* | Mar-97 | Jun-97 | Sep-97 | (D)* | Dec-97 | (D) | Mar-98 | Jun-98 | Sep-98 | (D)* | Nov-98 | Dec-98 | Mar-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | 1.5 | <500 | <500 |
| n-Butylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| sec-Butylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| ter-Butylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Ethylbenzene | 300 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Isopropylbenzene | | <2 | <2 | <100 | <20 | <500 | <200 | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 |
| p-Isopropyltoluene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | | | | | | <500 | <500 | | <2500 | | <250 | <2500 | <2500 | | <5 | <2500 | <2500 |
| Naphthalene | | <2 | <2 | <100 | <20 | <500 | <200 | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 |
| n-Propylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Toluene | 150 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | 2.0 | <500 | <500 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Xylenes, total | 1750 | <2 | <2 | <100 | <20 | <1000 | <200 | <400 | <200 | <200 | <200 | <300 | <1000 | <2 | <100 | <1000 | <1000 | <2000 | <2 | <1000 | <1000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 3.5 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Bromoform | 80 | <2 | <2 | <100 | <20 | <500 | <200 | <200 | <200 | <200 | <200 | <200 | <1000 | <2 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | 2470 | 1090 | 1000 | 632.0 | 810.0 | 1320 | 389.0 | 455.0 | 540.0 | <500 | 269.0 | 845.0 | <500 | <500 | <900 | 213.0 | <500 | 863.0 |
| Chloroform | 80 | <3 | <3 | 365.0 | 50.8 | <500 | 107.0 | <200 | 103.0 | 258.0 | 222.0 | 280.0 | <500 | 185.0 | 128.0 | <500 | <500 | <900 | 256.0 | <500 | <500 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <50 | 20.0 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | 36.7 | <50 | <500 | <500 | <900 | 50.8 | <500 | <500 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <100 | <20 | <500 | <200 | <200 | <200 | <200 | <200 | <200 | <1000 | 12.9 | <100 | <1000 | <1000 | <900 | 1.5 | <1000 | <1000 |
| 1,1-Dichloroethene | 6 | <1 | <1 | 175.0 | 200.0 | <500 | 179.0 | 220.0 | 231.0 | 237.0 | 276.0 | 330.0 | <500 | 214.0 | 271.0 | <500 | <500 | <900 | 280.0 | <500 | <500 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | 565.0 | 738.0 | 720.0 | 881.0 | 1100 | 1030 | 1010 | 1160 | 1200 | 779.0 | 855.0 | 884.0 | 749.0 | 804.0 | 1200 | 1140 | 908.0 | 806.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | 10.3 | <50 | <500 | <500 | <900 | 9.8 | <500 | <500 |
| Methylene Chloride | 5 | <1 | <1 | <50 | <10 | <1000 | <100 | <400 | <100 | <100 | <100 | <300 | <500 | <1 | <50 | <500 | <500 | <2000 | <1 | <500 | <500 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <100 | <20 | <500 | <200 | <200 | <200 | <200 | <200 | <200 | <1000 | 16.9 | <100 | <1000 | <1000 | <900 | <2 | <1000 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Tetrachloroethene | 5 | 4.1 | 2.4 | 27,700 | 18,850 | 18,000 | 15,800 | 19,000 | 21,400 | 28,700 | 25,200 | 29,000 | 22,400 | 18,000 | 26,800 | 17,900 | 27,200 | 28,000 | 34,400 | 25,600 | 30,400 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | 13.8 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Trichloroethene | 5 | 3.2 | 2.1 | 65,800 | 21,950 | 19,000 | 25,100 | 28,000 | 27,600 | 35,000 | 29,200 | 39,000 | 28,200 | 23,000 | 32,700 | 23,000 | 30,300 | 36,000 | 35,300 | 30,200 | 31,800 |
| Freon-113 | 1200 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | <1 | <50 | <500 | <500 | <900 | <1 | <500 | <500 |
| Freon-123A | | <1 | <1 | <50 | <10 | | <100 | | <100 | <100 | <100 | | <500 | <1 | <50 | <500 | <500 | | <1 | <500 | <500 |
| Vinyl Chloride | 0.5 | <1 | <1 | <50 | <10 | <500 | <100 | <200 | <100 | <100 | <100 | <200 | <500 | 7.6 | <50 | <500 | <500 | <900 | 4.7 | <500 | <500 |
| Total Halogenated Hydrocarbons | | 7.3 | 4.5 | 97,075 | 42,899 | 38,720 | 42,699 | 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 |
| Total Concentration of VOCs | | 7.3 | 4.5 | 97,075 | 42,899 | 38,720 | 42,699 | 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 |

# 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) Jun-99 | (D)* | Oct-99 | (D)* | Nov-99 | (D)* | Mar-00 | (D)* | May-00 | (D)* | Jul-00 | Sep-00 | (D)* | Nov-00 | (D)* | Jan-01 | Apr-01 | Jun-01 | (D)* | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <500 | <30 | <50 | 1.2 | <500 | 0.83 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | 0.69 | <100 | <100 | <10 | <0.5 | <10 |
| n-Butylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| sec-Butylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| ter-Butylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| 1,4-Dichlorobenzene | 5 | <500 | <30 | <50 | 0.89 | <500 | 0.51 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Ethylbenzene | 300 | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Isopropylbenzene | | <1000 | <30 | <100 | <0.5 | <1000 | <0.5 | <200 | <20 | <200 | <0.5 | <10 | <20 | <70 | <20 | <0.5 | <200 | <200 | <20 | <0.5 | <20 |
| p-Isopropyltoluene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Methyl tert-Butyl Ether | 13 | <2500 | <30 | <250 | <0.5 | <2500 | <0.5 | <500 | <20 | <500 | <0.5 | <25 | <50 | <70 | <50 | 0.53 | <500 | <500 | <50 | <0.5 | <50 |
| Naphthalene | | <1000 | <30 | <100 | <0.5 | <1000 | <0.5 | <200 | <20 | <200 | <0.5 | <10 | 21.3 | <70 | <20 | <0.5 | <200 | <200 | <20 | <0.5 | <20 |
| n-Propylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Toluene | 150 | <500 | <30 | <50 | 1.8 | <500 | 0.98 | <100 | <20 | <100 | 0.74 | <5 | <10 | <70 | <10 | 0.83 | <100 | <100 | <10 | <0.5 | <10 |
| 1,2,4-Trimethylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| 1,3,5-Trimethylbenzene | | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Xylenes, total | 1750 | <1000 | <50 | <100 | <1 | <1000 | <1 | <200 | <50 | <200 | <1 | <10 | <20 | <200 | <20 | <1 | <200 | <200 | <20 | <1 | <20 |
| Total Aromatic Hydrocarbons | | | | | 3.89 | | 2.32 | | | | 0.74 | | 21.3 | | | 2.05 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Bromoform | 80 | <1000 | <30 | <100 | 2.0 | <1000 | <0.5 | <200 | <20 | <200 | 2.0 | <10 | <20 | <70 | <20 | 3.7 | <200 | <200 | <20 | 1.9 | <20 |
| Carbon Tetrachloride | 0.5 | 1230 | 1400 | 224.0 | 220.0 | <500 | 16.0 | <100 | 24.0 | <100 | 70.0 | <5 | 37.2 | <70 | 548.8 | 430.0 | 286.8 | <100 | 75.4 | 83.0 | 12.7 |
| Chloroform | 80 | <500 | 100.0 | 149.0 | 130.0 | <500 | 130.0 | <100 | 28.0 | <100 | 41.0 | <15 | <30 | <70 | 33.6 | 30.0 | <300 | <300 | <30 | 6.7 | <30 |
| 1,1-Dichloroethane | 5 | <500 | 46.0 | <50 | 34.0 | <500 | 23.0 | <100 | <20 | <100 | 10.0 | <5 | <10 | <70 | 14.7 | 16.0 | <100 | <100 | <10 | 3.7 | <10 |
| 1,2-Dichloroethane | 0.5 | <1000 | <30 | <100 | 9.0 | <1000 | 7.0 | <200 | <20 | <200 | 4.0 | <10 | <20 | <70 | <20 | 4.2 | <200 | <200 | <20 | 1.8 | <20 |
| 1,1-Dichloroethene | 6 | <500 | 350.0 | 182.0 | 210.0 | <500 | 170.0 | <100 | 30.0 | <100 | 55.0 | <5 | <10 | <70 | 79.8 | 95.0 | <100 | <100 | <10 | 13.0 | <10 |
| cis-1,2-Dichloroethene | 6 | 1030 | 1200 | 588.0 | 890.0 | <500 | 580.0 | 298.0 | 190.0 | 287.0 | 210.0 | 30.9 | 128.1 | 150.0 | 390.1 | 460.0 | 289.7 | <100 | 87.1 | 97.0 | 50.3 |
| trans-1,2-Dichloroethene | 10 | <500 | <30 | <50 | 8.8 | <500 | 5.7 | <100 | <20 | <100 | 5.3 | <5 | <10 | <70 | <10 | 3.8 | <100 | <100 | <10 | 1.8 | <10 |
| Methylene Chloride | 5 | <500 | <50 | <50 | 5.6 | <500 | 7.8 | <100 | <50 | <100 | 3.8 | <5 | <10 | <200 | <10 | <1 | <100 | <100 | <10 | <1 | <10 |
| 1,1,1,2-Tetrachloroethane | | <1000 | 85.0 | <100 | 18.0 | <1000 | <0.5 | <200 | <20 | <200 | 11.0 | <10 | <20 | <70 | 41.9 | 24.0 | <200 | <200 | <20 | 7.8 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | 1.6 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Tetrachloroethene | 5 | 38,300 | 37,000 | 12,200 | 20,000 | 11,800 | 14,000 | 4,170 | 3,300 | 7,070 | 2,200 | 727.0 | 1,485 | 1,700 | 10,907 | 9,200 | 8,095 | 2,624 | 3,001# | 1,800 | 621.4 |
| 1,1,1-Trichloroethane | 200 | <500 | <30 | <50 | <0.5 | <500 | 1.3 | <100 | 23.0 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| 1,1,2-Trichloroethane | 5 | <500 | <30 | <50 | 7.9 | <500 | 8.2 | <100 | <20 | <100 | 4.6 | <5 | <10 | <70 | <10 | 5.5 | <100 | <100 | <10 | 2.4 | <10 |
| Trichloroethene | 5 | 35,700 | 40,000 | 17,800 | 23,000 | 14,100 | 16,000 | 4,020 | 4,100 | 9,070 | 3,300 | 751.0 | 1,958 | 2,100 | 8,891 | 11,000 | 6,390 | 2,963 | 2,220# | 1,800 | 935.0 |
| Freon-113 | 1200 | <500 | <30 | <50 | <0.5 | <500 | <0.5 | <100 | <20 | <100 | <0.5 | <5 | <10 | <70 | <10 | <0.5 | <100 | <100 | <10 | <0.5 | <10 |
| Freon-123A | | <500 | | <50 | | <500 | | <100 | | <100 | | <5 | <10 | | <10 | | <100 | <100 | <10 | | <10 |
| Vinyl Chloride | 0.5 | <500 | <30 | <50 | 4.4 | <500 | 4.3 | <100 | <20 | <100 | 1.4 | <5 | <10 | <70 | <10 | 0.95 | <100 | <100 | <10 | <0.5 | <10 |
| Total Halogenated Hydrocarbons | | 76,260 | 80,181 | 31,143 | 44,540 | 25,900 | 30,953 | 8,488 | 7,695 | 16,427 | 5,918 | 1508.9 | 3,610 | 3,950 | 20,907 | 21,273 | 15,061 | 5,586 | 5,383# | 3,819 | 1,619.4 |
| Total Concentration of VOCs | | 76,260 | 80,181 | 31,143 | 44,544 | 25,900 | 30,956 | 8,488 | 7,695 | 16,427 | 5,919 | 1508.9 | 3,632 | 3,950 | 20,907 | 21,275 | 15,061 | 5,586 | 5,383# | 3,819 | 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 | 58-96-11 (Cont'd) (D)* | Dec-01 | Mar-02 | May-02 | Sep-02 | Nov-02 | Feb-03 | (D)* | Apr-03 | Sep-03 | Dec-03 | Mar-04 | (D)* | May-04 | Aug-04 | Nov-04 | (D)* | Mar-05 | (D)* | Jun-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | 0.65 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| n-Butylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| sec-Butylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| ter-Butylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | 0.61 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Ethylbenzene | 300 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Isopropylbenzene | | <0.5 | <200 | <20 | <200 | <200 | <200 | <200 | <0.5 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 |
| p-Isopropyltoluene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <500 | <50 | <500 | <500 | <500 | <500 | <0.5 | <2500 | <2500 | <2500 | <500 | <20 | <250 | <250 | <500 | <30 | <250 | <25 | <250 |
| Naphthalene | | <0.5 | <200 | <20 | <200 | <200 | <200 | <200 | <0.5 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 |
| n-Propylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Toluene | 150 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | 1.8 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| 1,2,4-Trimethylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| 1,3,5-Trimethylbenzene | | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Xylenes, total | 1750 | <1 | <200 | <20 | <200 | <200 | <200 | <200 | <1 | <1000 | <1000 | <1000 | <200 | <30 | <100 | <100 | <200 | <50 | <100 | <50 | <100 |
| Total Aromatic Hydrocarbons | | | | | | | | | 3.06 | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Bromoform | 80 | <0.5 | <200 | <20 | <200 | <200 | <200 | <200 | 3.7 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 |
| Carbon Tetrachloride | 0.5 | 12.0 | 349.7 | 191.2 | 270.1 | 126.7 | <100 | 638.0 | 560.0 | 563.0 | <500 | <500 | <100 | 75.0 | 97.4 | <50 | <100 | 50.0 | 125.0 | 120.0 | <50 |
| Chloroform | 80 | 3.8 | <300 | <30 | <300 | <300 | <300 | <300 | 27.0 | <1500 | <1500 | <1500 | <300 | <20 | <150 | <150 | <300 | <30 | <150 | <25 | <150 |
| 1,1-Dichloroethane | 5 | 1.6 | <100 | <10 | <100 | <100 | <100 | <100 | 18.0 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| 1,2-Dichloroethane | 0.5 | 1.5 | <200 | <20 | <200 | <200 | <200 | <200 | 4.6 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 |
| 1,1-Dichloroethene | 6 | 2.4 | <100 | 55.1 | <100 | <100 | <100 | 106.0 | 100.0 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| cis-1,2-Dichloroethene | 6 | 56.0 | 272.7 | 182.1 | 138.8 | 118.4 | 102.5 | 378.0 | 380.0 | <500 | <500 | <500 | <100 | 49.0 | 59.6 | <50 | <100 | 97.0 | 77.9 | 78.0 | <50 |
| trans-1,2-Dichloroethene | 10 | 1.3 | <100 | <10 | <100 | <100 | <100 | <100 | 7.7 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Methylene Chloride | 5 | <1 | <100 | <10 | <100 | <100 | <100 | <100 | <1 | <500 | <500 | <500 | <100 | 47.0† | <50 | <50 | <100 | <50 | <50 | <50 | <50 |
| 1,1,1,2-Tetrachloroethane | | 7.4 | <200 | <20 | <200 | <200 | <200 | <200 | 34.0 | <1000 | <1000 | <1000 | <200 | <20 | <100 | <100 | <200 | <30 | <100 | <25 | <100 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Tetrachloroethene | 5 | 390.0 | 6,933 | 6,558 | 5,286 | 5,271 | 4,406 | 15,300 | 14,000 | 9,610 | 9,440 | 3,010 | 1,690 | 1,800 | 2,360 | 1,270 | 3,620 | 3,300 | 3,330 | 3,400 | 1,460 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | <0.5 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| 1,1,2-Trichloroethane | 5 | 2.1 | <100 | <10 | <100 | <100 | <100 | <100 | 5.2 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Trichloroethene | 5 | 580.0 | 6,940 | 6,248 | 5,319 | 5,082 | 4,035 | 14,200 | 13,000 | 7,440 | 6,590 | 2,650 | 1,300 | 1,200 | 1,720 | 1,020 | 3,040 | 2,900 | 2,540 | 2,700 | 1,030 |
| Freon-113 | 1200 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | 0.85 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Freon-123A | | | <100 | <10 | <100 | <100 | <100 | <100 | | <500 | <500 | <500 | <100 | | <50 | <50 | <100 | | <50 | | <50 |
| Vinyl Chloride | 0.5 | <0.5 | <100 | <10 | <100 | <100 | <100 | <100 | 1.4 | <500 | <500 | <500 | <100 | <20 | <50 | <50 | <100 | <30 | <50 | <25 | <50 |
| Total Halogenated Hydrocarbons | | 1,058.1 | 14,496 | 13,235 | 11,013 | 10,599 | 8,543 | 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 |
| Total Concentration of VOCs | | 1,058 | 14,496 | 13,235 | 11,013 | 10,599 | 8,543 | 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 |

# 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)* | Aug-05 | (D)* | Oct-05 | Feb-06 | Mar-06 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| n-Butylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| sec-Butylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| ter-Butylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| Ethylbenzene | 300 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Isopropylbenzene | | <5 | <200 | <12 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | | <20 | <100 | | <100 | <2 | <20 | <100 | <10 | <10 |
| p-Isopropyltoluene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <5 | <500 | <12 | <250 | <500 | <5 | <50 | <50 | <50 | <50 | | <50 | <250 | | <250 | <5 | <50 | <250 | <25 | <25 |
| Naphthalene | | <5 | <200 | <12 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | | <20 | <100 | | <100 | <2 | <20 | <100 | <10 | <10 |
| n-Propylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| Toluene | 150 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,2,4-Trimethylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,3,5-Trimethylbenzene | | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| Xylenes, total | 1750 | <10 | <200 | <25 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | <1 | <20 | <100 | <1 | <100 | <2 | <20 | <100 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Bromoform | 80 | <5 | <200 | <12 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | 2.3 | <20 | <100 | <0.5 | <100 | <2 | <20 | <100 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 57 | <100 | 32 | <50 | <100 | 27.9 | 50.5 | 43.7 | 23.8 | 31.0 | 40 | 14.2 | <50 | 41 | <50 | 10.7 | 15.9 | <50 | 12.0 | 16.9 |
| Chloroform | 80 | 1.7 | <300 | <12 | <150 | <300 | <3 | <30 | <30 | <30 | <30 | 1.1 | <30 | <150 | 1.8 | <150 | <3 | <30 | <150 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | 0.84 | <10 | <50 | 1.2 | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <5 | <200 | <12 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | <0.5 | <20 | <100 | <0.5 | <100 | <2 | <20 | <100 | <10 | <10 |
| 1,1-Dichloroethene | 6 | 9.2 | <100 | <12 | <50 | <100 | 5.9 | <10 | <10 | <10 | <10 | 5.8 | <10 | <50 | 7.8 | <50 | 2.0 | <10 | <50 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | 29 | <100 | 22 | <50 | <100 | 19.3 | 28.0 | 28.1 | 28.7 | 28.6 | 20 | <10 | <50 | 33.0 | <50 | 7.4 | <10 | <50 | 7.7 | 10.8 |
| trans-1,2-Dichloroethene | 10 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | 1.1 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Methylene Chloride | 5 | <10 | <100 | <25 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <1 | <10 | <50 | <1 | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | 2.6 | <200 | <12 | <100 | <200 | <2 | <20 | <20 | <20 | <20 | 2 | <20 | <100 | 2.4 | <100 | <2 | <20 | <100 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Tetrachloroethene | 5 | 1900 | 1,040 | 920 | 1,100.0 | 1,600 | 863.0 | 1,680.0 | 1,250.0 | 877.0 | 1,050.0 | 980.0 | 423.0 | 440.0 | 1,100 | 460.0 | 305 | 387.0 | 308 | 285 | 451 |
| 1,1,1-Trichloroethane | 200 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Trichloroethene | 5 | 980 | 784 | 650 | 852.0 | 1,080 | 525.0 | 924.0 | 801.0 | 678.0 | 793.0 | 590.0 | 319.0 | 271.0 | 740 | 299.0 | 191 | 244 | 215 | 187 | 272 |
| Freon-113 | 1200 | <5 | <100 | | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Freon-123A | | | <100 | | <50 | <100 | <1 | <10 | <10 | <10 | <10 | | <10 | <50 | | <50 | <1 | <10 | <50 | <5 | <5 |
| Vinyl Chloride | 0.5 | <5 | <100 | <12 | <50 | <100 | <1 | <10 | <10 | <10 | <10 | <0.5 | <10 | <50 | <0.5 | <50 | <1 | <10 | <50 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 2979.5 | 1,824 | 1,624 | 1,952 | 2,680 | 1441.1 | 2,682.5 | 2,122.8 | 1,607.5 | 1902.6 | 1643.14 | 756.2 | 711 | 1927.2 | 759 | 516.1 | 646.9 | 523 | 491.7 | 750.7 |
| Total Concentration of VOCs | | 2,980 | 1,824 | 1,624 | 1,952 | 2,680 | 1,441 | 2,683 | 2,123 | 1,608 | 1,903 | 1,643 | 756.2 | 711 | 1,927 | 759 | 516.1 | 646.9 | 523 | 491.7 | 750.7 |

# 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) | | 58-00-12 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-07 | Sep-07 | Jun-01 | (D)* | Dec-01 | (D)* | Mar-02 | Jun-02 | (D)* | Sep-02 | (D)* | Nov-02 | (D)* | Feb-03 | (D)* | Apr-03 | (D)* | Jul-03* | Aug-03* | Sep-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 1.4 | <100 | <1000 |
| n-Butylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| sec-Butylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| ter-Butylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| 1,4-Dichlorobenzene | 5 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 2.6 | <100 | <1000 |
| Ethylbenzene | 300 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Isopropylbenzene | | <10 | <10 | <200 | <500 | <2000 | <100 | <1000 | <2000 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <100 | <2000 |
| p-Isopropyltoluene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Methyl tert-Butyl Ether | 13 | <25 | <25 | <500 | <500 | <5000 | <100 | <2500 | <5000 | <50 | <5000 | <50 | <5000 | <100 | <2500 | <200 | <2500 | <100 | <0.5 | <100 | <5000 |
| Naphthalene | | <10 | <10 | <200 | <500 | <2000 | <100 | <1000 | <2000 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <100 | <2000 |
| n-Propylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Toluene | 150 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 6.6# | <100 | <1000 |
| 1,2,4-Trimethylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| 1,3,5-Trimethylbenzene | | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Xylenes, total | 1750 | <10 | <10 | <200 | <1000 | <2000 | <200 | <1000 | <2000 | <100 | <2000 | <100 | <2000 | <200 | <1000 | <300 | <1000 | <200 | 3.2 | <200 | <2000 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | 13.8 | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Bromoform | 80 | <10 | <10 | <200 | <500 | <2000 | <100 | <1000 | <2000 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | 14.0 | <100 | <2000 |
| Carbon Tetrachloride | 0.5 | 17.7 | 26.1 | 1,811 | 1,600 | 1,948 | 1,700 | 1,749 | <1000 | 670.0 | 1,790 | 1,500 | 1,756 | 1,200 | 2,130 | 2,300 | 1,830 | 2,500 | 2,300 | 1,700 | <1000 |
| Chloroform | 80 | <15 | <15 | <300 | <500 | <3000 | <100 | <1500 | <3000 | 99.0 | <3000 | 89.0 | <3000 | <100 | <1500 | <200 | <1500 | <100 | 65.0 | <100 | <3000 |
| 1,1-Dichloroethane | 5 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 29.0 | <100 | <1000 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <200 | <500 | <2000 | <100 | <1000 | <2000 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | 6.6 | <100 | <2000 |
| 1,1-Dichloroethene | 6 | <5 | <5 | 210.5 | <500 | <1000 | 250.0 | <500 | <1000 | 160.0 | <1000 | 230.0 | <1000 | 170.0 | <500 | 320.0 | <500 | 300.0 | 310.0 | 220.0 | <1000 |
| cis-1,2-Dichloroethene | 6 | 14.5 | 18.3 | 451.2 | 700.0 | <1000 | 700.0 | <500 | <1000 | 420.0 | <1000 | 540.0 | <1000 | 400.0 | 556.0 | 720.0 | 630.0 | 670.0 | 680.0 | 460.0 | <1000 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 13.0 | <100 | <1000 |
| Methylene Chloride | 5 | <5 | <5 | <100 | 2,100 | <1000 | <200 | <500 | <1000 | <100 | <1000 | <100 | <1000 | <200 | <500 | <300 | <500 | 1,600 | 7.6 # | <200 | <1000 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <200 | <500 | <2000 | <100 | <1000 | <2000 | <50 | <2000 | <50 | <2000 | <100 | <1000 | <200 | <1000 | <100 | <0.5 | <200 | <2000 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Tetrachloroethene | 5 | 497 | 753 | 45,262 | 38,000 | 54,653 | 52,000 | 53,393 | 32,055 | 32,000 | 52,225 | 41,000 | 47,636 | 39,000 | 60,200 | 43,000 | 57,700 | 41,000 | 64,000 | 47,000 | 49,800 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 3.9 | <100 | <1000 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 14.0# | <100 | <1000 |
| Trichloroethene | 5 | 350 | 505 | 34,411 | 33,000 | 40,126 | 37,000 | 41,750 | 31,221 | 28,000 | 38,248 | 31,000 | 37,021 | 33,000 | 45,400 | 35,000 | 42,200 | 34,000 | 37,000 | 29,000 | 30,800 |
| Freon-113 | 1200 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | <0.5 | <100 | <1000 |
| Freon-123A | | <5 | <5 | <100 | | <1000 | | <500 | <1000 | | <1000 | | <1000 | | <500 | | <500 | | | | <1000 |
| Vinyl Chloride | 0.5 | <5 | <5 | <100 | <500 | <1000 | <100 | <500 | <1000 | <50 | <1000 | <50 | <1000 | <100 | <500 | <200 | <500 | <100 | 28.0 | <100 | <1000 |
| Total Halogenated Hydrocarbons | | 879.2 | 1,302.4 | 82,146 | 75,400 | 96,727 | 91,650 | 96,892 | 63,276 | 61,349 | 92,262 | 74,359 | 86,412 | 73,770 | 108,286 | 81,340 | 102,360 | 80,070 | 104,471 | 78,380 | 80,600 |
| Total Concentration of VOCs | | 879.2 | 1,302 | 82,146 | 75,400 | 96,727 | 91,650 | 96,892 | 63,276 | 61,349 | 92,262 | 74,359 | 86,412 | 73,770 | 108,286 | 81,340 | 102,360 | 80,070 | 104,485 | 78,380 | 80,600 |

# 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) Oct-03 | Nov-03 | (D)* | Dec-03* | Jan-04 | Feb-04 | Mar-04 | (D)* | Mar-04 | Apr-04 | May-04 | (D)* | Jun-04 | Jul-04 | Aug-04 | (D)* | Sep-04 | Oct-04 | Nov-04 | (D)* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1000 | <1000 | <100 | 0.90 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| n-Butylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| sec-Butylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| ter-Butylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| 1,4-Dichlorobenzene | 5 | <1000 | <1000 | <100 | 0.82 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Ethylbenzene | 300 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Isopropylbenzene | | <2000 | <2000 | <100 | <0.5 | <2000 | <1000 | <1000 | <300 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 |
| p-Isopropyltoluene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Methyl tert-Butyl Ether | 13 | <5000 | <5000 | <100 | <0.5 | <5000 | <2500 | <2500 | <300 | <2500 | <5000 | <5000 | <300 | <2500 | <5000 | <5000 | <500 | <5000 | <5000 | <2500 | <300 |
| Naphthalene | | <2000 | <2000 | <100 | <0.5 | <2000 | <1000 | <1000 | <300 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 |
| n-Propylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Toluene | 150 | <1000 | <1000 | <100 | 3.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| 1,2,4-Trimethylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| 1,3,5-Trimethylbenzene | | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Xylenes, total | 1750 | <2000 | <2000 | <200 | <0.5 | <2000 | <1000 | <1000 | <500 | <1000 | <2000 | <2000 | <500 | <1000 | <2000 | <2000 | <1000 | <2000 | <2000 | <1000 | <500 |
| Total Aromatic Hydrocarbons | | | | | 5.2 | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Bromoform | 80 | <2000 | <2000 | <100 | 9.7 | <2000 | <1000 | <1000 | <300 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 |
| Carbon Tetrachloride | 0.5 | 1,600 | 1,750 | 1,700 | <0.5 | 1,170 | 1,370 | 1,690 | 1,600 | 1,510 | 1,590 | 1,000 | 1,000 | 1,450 | <1000 | 1,570 | 1,500 | 1,240 | 1,130 | <500 | 580.0 |
| Chloroform | 80 | <3000 | <3000 | <100 | 33.0 | <3000 | <1500 | <1500 | <300 | <1500 | <3000 | <3000 | <300 | <1500 | <3000 | <3000 | <500 | <3000 | <3000 | <1500 | <300 |
| 1,1-Dichloroethane | 5 | <1000 | <1000 | <100 | 24.0 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| 1,2-Dichloroethane | 0.5 | <2000 | <2000 | <100 | 4.9 | <2000 | <1000 | <1000 | <300 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 |
| 1,1-Dichloroethene | 6 | <1000 | <1000 | 180.0 | 190.0 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| cis-1,2-Dichloroethene | 6 | <1000 | <1000 | 410.0 | 420.0 | <1000 | <500 | 620.0 | 480.0 | <500 | <1000 | <1000 | 560.0 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| trans-1,2-Dichloroethene | 10 | <1000 | <1000 | <100 | 9.8 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Methylene Chloride | 5 | <1000 | <1000 | <200 | 6.0 | <1000 | <500 | <500 | 740.0^ | <500 | <1000 | <1000 | 990.0 | <500 | <1000 | <1000 | <1000 | <1000 | <1000 | <500 | <500 |
| 1,1,1,2-Tetrachloroethane | | <2000 | <2000 | <100 | 72.0 | <2000 | <1000 | <1000 | <300 | <1000 | <2000 | <2000 | <300 | <1000 | <2000 | <2000 | <500 | <2000 | <2000 | <1000 | <300 |
| 1,1,2,2-Tetrachloroethane | 1 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Tetrachloroethene | 5 | 46,900 | 53,500 | 53,000 | 29,000# | 32,600 | 32,200 | 38,400 | 44,000 | 37,500 | 35,300 | 34,100 | 36,000 | 48,000 | 19,800 | 46,600 | 45,000 | 22,500 | 33,700 | 14,900 | 15,000 |
| 1,1,1-Trichloroethane | 200 | <1000 | <1000 | <100 | 3.3 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| 1,1,2-Trichloroethane | 5 | <1000 | <1000 | <100 | 6.8 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Trichloroethene | 5 | 32,600 | 32,300 | 29,000# | 21,000 | 22,700 | 23,100 | 24,700 | 23,000 | 22,700 | 21,100 | 18,300 | 22,000 | 24,300 | 13,700 | 24,200 | 22,000 | 13,000 | 19,400 | 10,700 | 10,000 |
| Freon-113 | 1200 | <1000 | <1000 | <100 | <0.5 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Freon-123A | | <1000 | <1000 | | | <1000 | <500 | <500 | | <500 | <1000 | <1000 | | <500 | <1000 | <1000 | | <1000 | <1000 | <500 | |
| Vinyl Chloride | 0.5 | <1000 | <1000 | <100 | 28.0 | <1000 | <500 | <500 | <300 | <500 | <1000 | <1000 | <300 | <500 | <1000 | <1000 | <500 | <1000 | <1000 | <500 | <300 |
| Total Halogenated Hydrocarbons | | 81,100 | 87,550 | 84,290 | 50,808 | 56,470 | 56,670 | 65,410 | 69,820 | 61,710 | 57,990 | 53,400 | 60,550 | 73,750 | 33,500 | 72,370 | 68,500 | 36,740 | 54,230 | 25,600 | 25,580 |
| Total Concentration of VOCs | | 81,100 | 87,550 | 84,290 | 50,813 | 56,470 | 56,670 | 65,410 | 69,820 | 61,710 | 57,990 | 53,400 | 60,550 | 73,750 | 33,500 | 72,370 | 68,500 | 36,740 | 54,230 | 25,600 | 25,580 |

# 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) Dec-04* | Jan-05 | Feb-05 | Mar-05 | (D)* | Apr-05 | Jun-05 | (D)* | Aug-05 | (D)* | Oct-05 | (D)* | Jan-06 | Feb-06 | (D)* | Mar-06* | Apr-06 | May-06 | ( D)* | Jun-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 0.75 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| n-Butylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| sec-Butylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| ter-Butylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| 1,4-Dichlorobenzene | 5 | 1.1 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| Ethylbenzene | 300 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Isopropylbenzene | | <0.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 | <1000 | <250 | <2000 | <25 | <100 | <1000 | | | <200 | <1000 | | <1000 |
| p-Isopropyltoluene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| Methyl tert-Butyl Ether | 13 | <0.5 | <2500 | <2500 | <2500 | <250 | <2500 | <5000 | <100 | <2500 | <250 | <5000 | <25 | <250 | <250 | | | <500 | <250 | | <250 |
| Naphthalene | | <0.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 | <1000 | <250 | <2000 | <25 | <100 | <1000 | | | <200 | <1000 | | <1000 |
| n-Propylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| Toluene | 150 | 2.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| 1,2,4-Trimethylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| 1,3,5-Trimethylbenzene | | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| Xylenes, total | 1750 | 1.3 | <1000 | <1000 | <1000 | <500 | <1000 | <2000 | <200 | <1000 | <500 | <2000 | <50 | <100 | <1000 | 130.0 | <100 | <200 | <1000 | <100 | <1000 |
| Total Aromatic Hydrocarbons | | 5.65 | | | | | | | | | | | | | | 130.0 | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Bromoform | 80 | 6.1 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 |
| Carbon Tetrachloride | 0.5 | 570.0 | 874.0 | 1,020 | 884.0 | 710.0 | 929.0 | <1000 | 880 | 777.0 | 750.0 | <1000 | 380.0 | 383.0 | <500 | 350.0 | 660.0 | 489 | <500 | 310 | <500 |
| Chloroform | 80 | 26.0 | <1500 | <1500 | <1500 | <250 | <1500 | <3000 | <100 | <1500 | <250 | <3000 | <25 | <150 | <1500 | <50 | <50 | <300 | <1500 | <50 | <1500 |
| 1,1-Dichloroethane | 5 | 19.0 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| 1,2-Dichloroethane | 0.5 | 3.5 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | <100 | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 |
| 1,1-Dichloroethene | 6 | 80.0 | <500 | <500 | <500 | <250 | <500 | <1000 | 130 | <500 | <250 | <1000 | 60.0 | <50 | <500 | 70.0 | 96.0 | <100 | <500 | 57 | <500 |
| cis-1,2-Dichloroethene | 6 | 300.0 | <500 | <500 | <500 | 260.0 | <500 | <1000 | 330 | <500 | 340.0 | <1000 | 160.0 | 225.0 | <500 | 270.0 | 320.0 | 310 | <500 | 220 | <500 |
| trans-1,2-Dichloroethene | 10 | 7.9 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Methylene Chloride | 5 | 4.4 | <500 | <500 | <500 | <500 | <500 | <1000 | <200 | <500 | <500 | <1000 | <50 | <50 | <500 | <100 | <100 | <100 | <500 | <100 | <500 |
| 1,1,1,2-Tetrachloroethane | | 64.0 | <1000 | <1000 | <1000 | <250 | <1000 | <2000 | 52 | <1000 | <250 | <2000 | <25 | <100 | <1000 | <50 | <50 | <200 | <1000 | <50 | <1000 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Tetrachloroethene | 5 | 11,000 | 23,000 | 25,400 | 23,900 | 24,000 | 28,400 | 22,500 | 22,000 | 22,300 | 26,000 | 22,000 | 14,000 | 17,000 | 12,200 | 11,000 | 22,000 | 10,700 | 9,310 | 8,200 | 5,660 |
| 1,1,1-Trichloroethane | 200 | 2.3 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| 1,1,2-Trichloroethane | 5 | 5.3 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Trichloroethene | 5 | 7,000 | 12,000 | 13,600 | 12,400 | 12,000 | 13,900 | 11,500 | 13,000 | 10,500 | 13,000 | 12,200 | 8,700 | 9,230 | 7,270 | 6,600 | 12,000 | 8,780 | 6,200 | 5,000 | 4,130 |
| Freon-113 | 1200 | <0.5 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Freon-123A | | | <500 | <500 | <500 | | <500 | <1000 | | <500 | <250 | <1000 | <25 | <50 | <500 | | | <100 | <500 | | <500 |
| Vinyl Chloride | 0.5 | 21.0 | <500 | <500 | <500 | <250 | <500 | <1000 | <100 | <500 | <250 | <1000 | <25 | <50 | <500 | <50 | <50 | <100 | <500 | <50 | <500 |
| Total Halogenated Hydrocarbons | | 19,110 | 35,874 | 40,020 | 37,184 | 36,970 | 43,229 | 34,000 | 36,392 | 33,577 | 40,090 | 34,200 | 23,300 | 26,838 | 19,470 | 18,290 | 35,076 | 20,279 | 15,510 | 13,787 | 9,790 |
| Total Concentration of VOCs | | 19,115 | 35,874 | 40,020 | 37,184 | 36,970 | 43,229 | 34,000 | 36,392 | 33,577 | 40,090 | 34,200 | 23,300 | 26,838 | 19,470 | 18,420 | 35,076 | 20,279 | 15,510 | 13,787 | 9,790 |

# 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(well is on semi-annual sampling) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-06 | Aug-06* | Oct-06 | (D)* | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | (D)* | Dec-94 | (D)* | Feb-95* | Mar-95* | Jun-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| sec-Butylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| ter-Butylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <100 | | <200 | | <1000 | | <100 | <100 | | <100 | <100 | <100 | <100 | <100 | <100 | | <1 | <1 | <0.5 | <0.5 | <1 |
| p-Isopropyltoluene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <250 | | <500 | | <250 | | <250 | <250 | | <250 | <250 | <250 | <250 | <250 | <250 | | | | | | |
| Naphthalene | | <100 | | <200 | | <1000 | | <100 | <100 | | <100 | <100 | <100 | <100 | <100 | <100 | | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Propylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| Toluene | 150 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <100 | <50 | <200 | <100 | <1000 | <1 | <100 | <100 | <50 | <100 | <100 | <100 | <100 | <100 | <100 | <1 | <1 | <2 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| Bromoform | 80 | <100 | <25 | <200 | <50 | <1000 | 3.0 | <100 | <100 | <25 | <100 | <100 | <100 | <100 | <100 | <100 | 2.5 | <2 | <2 | <0.5 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | 242 | 270.0 | 354 | 360 | <500 | 240 | 278 | 216 | 330.0 | 347 | 379 | 330 | 395 | 284 | 251 | 280 | <1 | <1 | <0.5 | <0.5 | <1 |
| Chloroform | 80 | <150 | <25 | <300 | <150 | <1500 | 16.0 | <150 | <150 | <25 | <150 | <150 | <150 | <150 | <150 | <150 | 10 | <1 | 7.5 | 2.0 | 0.95 | <1 |
| 1,1-Dichloroethane | 5 | <50 | <25 | <100 | <50 | <500 | 8.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | 5 | <1 | 17.0 | 16.0 | 11.0 | 21.5 |
| 1,2-Dichloroethane | 0.5 | <100 | <25 | <200 | <50 | <1000 | 1.7 | <100 | <100 | <25 | <100 | <100 | <100 | <100 | <100 | <100 | 1.7 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | <50 | 42.0 | <100 | 57 | <500 | 66.0 | <50 | <50 | 58.0 | <50 | <50 | <50 | <50 | <50 | <50 | 43 | 80.9 | 37.0 | 37.0 | 21.0 | 61.6 |
| cis-1,2-Dichloroethene | 6 | 161 | 130.0 | 192 | 190 | <500 | 130.0 | 170 | 217 | 170.0 | 209 | 206 | 162 | 198 | 163 | 130 | 140 | 48.9 | 28.0 | 34.0 | 33.0 | 61.5 |
| trans-1,2-Dichloroethene | 10 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | 0.56 | <0.5 | 2.3 |
| Methylene Chloride | 5 | <50 | <50 | <100 | <100 | <500 | 1.8 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <1 | <1 | <2 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <25 | <200 | <50 | <1000 | 24.0 | <100 | <100 | <25 | <100 | <100 | <100 | <100 | <100 | <100 | <0.5 | <2 | <2 | <0.5 | <0.5 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | 3,420 | 8,100 | 10,200 | 11,000 | 5,820 | 11,000 | 7,760 | 8,120 | 7,600 | 10,400 | 11,400 | 8,770 | 9,560 | 7,540 | 6,850 | 6600 | 56.3 | 29.0 | 14.0 | 10.0 | 35.7 |
| 1,1,1-Trichloroethane | 200 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <50 | <25 | <100 | <50 | <500 | 2.7 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | 3.1 |
| Trichloroethene | 5 | 3,930 | 4,700 | 5,640 | 5,500 | 4,000 | 5,000 | 4,140 | 6,410 | 5,200 | 6,260 | 6,760 | 5,350 | 6,080 | 5,140 | 4,580 | 4700 | 66.8 | 39.0 | 25.0 | 16.0 | 41.6 |
| Freon-113 | 1200 | <50 | <25 | <100 | <50 | <500 | <0.5 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | <0.5 | <1 | <1 | <0.5 | <0.5 | <5 |
| Freon-123A | | <50 | | <100 | | <500 | | <50 | <50 | | <50 | <50 | <50 | <50 | <50 | <50 | | <1 | <1 | | | <1 |
| Vinyl Chloride | 0.5 | <50 | <25 | <100 | <50 | <500 | 9.2 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <50 | <50 | 1.1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 7,753 | 13,242 | 16,386 | 17,107 | 9,820 | 16503 | 12,348 | 14,963 | 13,358 | 17,216 | 18,745 | 14,612 | 16,233 | 13,127 | 11,811 | 11,783 | 252.9 | 157.5 | 128.56 | 91.95 | 227.3 |
| Total Concentration of VOCs | | 7,753 | 13,242 | 16,386 | 17,107 | 9,820 | 16,503 | 12,348 | 14,963 | 13,358 | 17,216 | 18,745 | 14,612 | 16,233 | 13,127 | 11,811 | 11,783 | 252.9 | 157.5 | 128.6 | 92.0 | 227.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 58A-94-14 (Cont'd) Sep-95 | Dec-95 | Mar-96 | Jun-96 | Sep-96 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <2 | <1 |
| n-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| sec-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| ter-Butylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Ethylbenzene | 300 | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 |
| n-Propylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <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 | <2 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <6 | <3 |
| 1,1-Dichloroethane | 5 | 16.2 | 19.4 | 30.8 | 18.0 | 15.5 | 20.2 | 17.0 | 19.6 | 14.4 | 19.6 | 16.2 | 25.4 | 16.0 | 13.0 | 14.1 | 15.3 | 11.8 | 16.9 | 10.8 | 16.0 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 |
| 1,1-Dichloroethene | 6 | 48.2 | 61.2 | 63.2 | 47.2 | 30.9 | 66.1 | 59.0 | 58.3 | 23.5 | 43.5 | 32.4 | 67.0 | 49.1 | 40.2 | 41.1 | 50.1 | 38.4 | 47.3 | 34.5 | 60.5 |
| cis-1,2-Dichloroethene | 6 | 48.7 | 66.2 | 92.3 | 60.4 | 54.0 | 66.4 | 64.0 | 64.8 | 48.0 | 51.1 | 48.9 | 94.1 | 58.6 | 68.8 | 69.4 | 83.5 | 68.2 | 63.9 | 57.2 | 74.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | 13.0 | 11.9 | 8.5 | 9.6 | 4.3 | 8.6 | 10.0 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | <2 | <1 |
| Trichloroethene | 5 | 24.5 | 21.9 | 21.6 | 15.7 | 16.3 | 24.9 | 23.0 | 22.0 | 15.0 | 24.5 | 17.4 | 30.8 | 20.5 | 11.2 | 13.2 | 14.8 | 6.2 | 8.5 | 3.3 | 5.1 |
| Freon-113 | 1200 | <5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | 1.7 | <2 | <1 |
| Total Halogenated Hydrocarbons | | 150.6 | 180.6 | 216.4 | 150.9 | 121.0 | 186.2 | 173.0 | 170.3 | 106.1 | 149.2 | 122.2 | 224.6 | 150.6 | 137.3 | 141.9 | 166.8 | 126.3 | 142.3 | 105.8 | 157.6 |
| Total Concentration of VOCs | | 150.6 | 180.6 | 216.4 | 150.9 | 121.0 | 186.2 | 173.0 | 170.3 | 106.1 | 149.2 | 122.2 | 224.6 | 150.6 | 137.3 | 141.9 | 166.8 | 126.3 | 142.3 | 105.8 | 157.6 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 58A-94-14 (Cont'd) | | | | | | | | | | | | | | MW90-2 (well is on semi-annual sampling) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-01 | Mar-02 | Sep-02 | Feb-03 | Aug-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Dec-06 | Feb-07 | Aug-07 | Nov-92 | Feb-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 | <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 | <1 | <5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <5 | <1 | <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 | <1 |
| Isopropylbenzene | | <2 | <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 | <1 | <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 | | | | | | |
| Naphthalene | | <2 | <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 | <1 | <5 | <1 | <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 |
| 1,2,4-Trimethylbenzene | | <1 | <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 | <1 | <5 | <1 | <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 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <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 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 7.1 | 2.4 | 2.6 | 2.5 | 4.0 | 2.7 |
| 1,1-Dichloroethane | 5 | 14.6 | 13.7 | 8.8 | 11.4 | 11.2 | 10.8 | 7.9 | 8.5 | 7.5 | 8.1 | 6.3 | 6.2 | 5.7 | 5.3 | 10.6 | 3.0 | 4.5 | 3.3 | 5.3 | 2.7 |
| 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 |
| 1,1-Dichloroethene | 6 | 45.3 | 46.6 | 25.3 | 31.7 | 34.8 | 31.8 | 22.2 | 23.8 | 25.3 | 24.4 | 16.3 | 15.4 | 10.5 | 12.4 | 16.9 | 3.1 | 6.6 | 6.8 | 13.1 | 3.9 |
| cis-1,2-Dichloroethene | 6 | 64.4 | 75.1 | 52.6 | 59.2 | 58.8 | 56.5 | 40.5 | 43.3 | 41.4 | 42.4 | 30.1 | 34.8 | 26.7 | 26.6 | <5 | <1 | <1 | <1 | 1.0 | 1.0 |
| 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 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.3 | <1 | <1 | 3.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.1 | <1 | <1 | 149.7 | 418.6 | 237.3 | 280.0 | 398.6 | 415.8 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 7.5 | 8.2 | 4.9 | 5.1 | 8.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.9 | 5.7 | 3.8 | 2.0 | 2.4 | 11.7 |
| Trichloroethene | 5 | 7.1 | 2.0 | <1 | 3.7 | 4.1 | 1.5 | 1.1 | <1 | 1.3 | 1.9 | 1.4 | 4.7 | 1.8 | <1 | 47.3 | 38.1 | 53.0 | 61.3 | 92.7 | 46.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | 1.7 | 2.8 | 2.0 | 1.3 | <1 | 1.1 | <1 | <1 | 1.2 | <5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 133.7 | 137.4 | 86.7 | 109.1 | 108.9 | 102.3 | 74.5 | 77.6 | 76.8 | 76.8 | 55.2 | 64.2 | 44.7 | 45.5 | 238.5 | 478.4 | 316.0 | 360.8 | 522.2 | 492.3 |
| Total Concentration of VOCs | | 133.7 | 137.4 | 86.7 | 109.1 | 108.9 | 102.3 | 74.5 | 77.6 | 76.8 | 76.8 | 55.2 | 64.2 | 44.7 | 45.5 | 238.5 | 478.4 | 316.0 | 360.8 | 522.2 | 492.3 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) 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 | (S)* | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <20 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | <50 | <5 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <20 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <0.5 | <2 | <2 | <1 | <10 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <20 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <20 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 2.3 | <1 | <0.5 | <1 | <1 | 1.1 | <10 | <1 |
| Chloroform | 80 | 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 | 1.2 | 1.6 | 2.1 | 3.2 | <10 | 3.0 |
| 1,1-Dichloroethane | 5 | 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 | 1.1 | 1.4 | 2.6 | 4.3 | <10 | 1.8 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <20 | <2 |
| 1,1-Dichloroethene | 6 | 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 | 1.9 | 3.6 | 8.9 | 18.5 | <10 | 4.0 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 0.97 | 1.0 | 0.75 | 0.59 | 0.59 | <1 | <1 | <1 | <1 | 1.1 | 1.8 | 1.4 | 1.2 | <1 | <1 | <10 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <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 | | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <2 | <20 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| Tetrachloroethene | 5 | 199.0 | 572.8 | 183.1 | 340.0 | 370.0 | 360.0 | 280.0 | 390.0 | 241.0 | 338.0 | 357.0 | 310.0 | 305.0 | 916.0 | 980.0 | 638.0 | 560.0 | 520.0 | 330.0 | 514.0 |
| 1,1,1-Trichloroethane | 200 | 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 | 8.8 | 7.6 | 3.9 | 3.2 | <10 | 3.6 |
| 1,1,2-Trichloroethane | 5 | 1.2 | 3.0 | <1 | 4.6 | 4.7 | 5.1 | 2.1 | 1.6 | <1 | 2.2 | <1 | <1 | 3.9 | 3.2 | 2.7 | 2.1 | 1.6 | 1.6 | <10 | 1.1 |
| Trichloroethene | 5 | 21.0 | 109.6 | 65.6 | 50.0 | 55.0 | 30.0 | 26.0 | 39.0 | 27.9 | 28.7 | 45.4 | 54.9 | 130.0 | 36.4 | 33.0 | 27.3 | 72.7 | 95.5 | 53.1 | 55.4 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <5 | <5 | <5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| Freon-123A | | <1 | <1 | <1 | | | | | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <10 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <10 | <1 |
| Total Halogenated Hydrocarbons | | 230.8 | 710.0 | 259.7 | 413.4 | 449.4 | 409.3 | 319.1 | 445.3 | 290.3 | 381.2 | 422.7 | 386.1 | 471.1 | 975.3 | 1031.5 | 682.8 | 651.8 | 647.4 | 383.1 | 582.9 |
| Total Concentration of VOCs | | 230.8 | 710.0 | 259.7 | 413.4 | 449.4 | 409.3 | 319.1 | 445.3 | 290.3 | 381.2 | 422.7 | 386.1 | 471.1 | 975.3 | 1031.5 | 682.8 | 651.8 | 647.4 | 383.1 | 582.9 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Mar-01 | May-01 | Sep-01 | Nov-01 | Mar-02 | May-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <25 | <5 | <5 | <5 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <10 | <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 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | 1.8 | 5.9 | 7.1 | <10 | 2.7 | 2.7 | 1.3 | 2.9 | 2.6 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <5 | 1.4 | <1 | <1 | <10 | <1 | <1 | <1 | 1.7 | 1.4 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <10 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | 3.4 | 2.9 | 4.6 | <10 | <1 | <1 | 1.5 | 12.0 | 7.3 | <1 | <1 | 2.3 | 7.9 | 2.4 | 2.1 | 4.2 | 6.0 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | 1.6 | 2.1 | 2.7 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <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 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 332.0 | 380.0 | 121.0 | 121.0 | 137.0 | 132.0 | 147.0 | 125.0 | 117.0 | 121.0 | 88.2 | 122.0 | 117.5 | 145.2 | 77.2 | 72.5 | 135.1 | 99.7 | 48.4 | 67.6 |
| 1,1,1-Trichloroethane | 200 | <5 | 2.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 2.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | 1.5 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 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 | 4.9 | 4.1 | 25.1 | 27.4 | 2.4 | 3.6 |
| Freon-113 | 1200 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 384.4 | 427.4 | 171.2 | 167.2 | 167.6 | 156.2 | 167.4 | 146.0 | 200.7 | 185.3 | 97.9 | 131.3 | 143.7 | 200.6 | 84.5 | 78.7 | 165.7 | 133.1 | 50.8 | 71.2 |
| Total Concentration of VOCs | | 384.4 | 427.4 | 171.2 | 167.2 | 167.6 | 156.2 | 167.4 | 146.0 | 200.7 | 185.3 | 97.9 | 131.3 | 143.7 | 200.6 | 84.5 | 78.7 | 165.7 | 133.1 | 50.8 | 71.2 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-2 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-06 | Oct-06 | Dec-06 | Mar-07 | May-07 | Aug-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <0.5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | 0.61 | 0.58 | <3 | <0.5 | <3 | <3 | <3 | 5.80 | <3 | <3 | 2.1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.0 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <0.5 | <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 | <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 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 43.1 | 64.6 | 86.0 | 72.0 | 92.0 | 33.0 | 32.7 | 11.7 | 32.9 | 21.8 | 48.5 | 59.9 | 30.0 | 14.2 | 25.3 | 60.6 | 53.3 | 44.4 | 5.4 | 29.6 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | 0.52 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 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 | 1.8 | 4.0 | 3.9 | 3.1 | <1 | 1.9 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 50.3 | 68.8 | 91.63 | 76.18 | 92.0 | 34.2 | 35.0 | 11.7 | 32.9 | 30.5 | 52.5 | 64.5 | 34.3 | 15.4 | 27.1 | 64.6 | 57.2 | 47.5 | 5.4 | 31.5 |
| Total Concentration of VOCs | | 50.3 | 68.8 | 91.6 | 76.2 | 92.0 | 34.2 | 35.0 | 11.7 | 32.9 | 30.5 | 52.5 | 64.5 | 34.3 | 15.4 | 27.1 | 64.6 | 57.2 | 47.5 | 5.4 | 31.5 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-8 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-92 | Feb-93 | Apr-93 | May-93 | Aug-93 | Nov-93 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <2 | <2 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1.0 | <1.0 | <1.0 | <1 | <1 | <1 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | 1.0 | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | 2.5 | 2.1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 16.8 | 22.8 | 7.7 | 15.5 | 18.5 | 65.0 | 3.1 | 3.4 | 25.0 | 5.5 | 5.7 | 30.0 | 7.5 | 10.0 | 12.0 | 20.8 | 16.2 | 13.4 | 13.7 | 4.5 |
| Chloroform | 80 | 18.9 | 19.0 | 17.7 | 25.1 | 25.9 | 42.1 | 50.6 | 52.5 | 29.4 | 2.8 | 4.6 | 22.0 | 14.0 | 17.0 | 20.0 | 25.1 | 31.3 | 29.7 | 30.7 | 26.3 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <1 | 2.2 | <1 | 4.6 | <1 | <1 | 1.3 | <1 | <1 | 1.5 | <0.5 | 0.51 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | 15.3 | 1.6 | 1.9 | 5.7 | 4.4 | 21.8 | 1.7 | 1.9 | 7.6 | <1 | 2.3 | 11.0 | 0.63 | 1.7 | 1.2 | 1.2 | 2.4 | 2.3 | 3.3 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | 1.1 | 1.4 | 1.6 | 2.0 | 5.1 | <1 | <1 | 3.1 | <1 | <1 | 3.0 | 1.4 | 1.8 | 1.6 | 1.9 | 2.5 | 2.3 | 2.1 | 1.7 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1.0 | <1.0 | <1.0 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 38.9 | 25.4 | 39.0 | 47.2 | 52.3 | 340.7 | 20.7 | 19.9 | 113.6 | 40.1 | 40.1 | 150.0 | 16.0 | 36.0 | 33.0 | 31.7 | 46.5 | 38.3 | 47.4 | 13.7 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | 0.60 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 35.6 | 23.8 | 27.5 | 38.4 | 39.9 | 139.5 | 17.8 | 18.4 | 59.4 | 25.1 | 28.9 | 79.0 | 17.0 | 23.0 | 24.0 | 16.3 | 32.1 | 28.6 | 39.6 | 13.8 |
| Freon-113 | 1200 | 3.5 | 4.1 | 6.4 | 7.7 | 4.3 | <1 | 1.3 | 1.3 | 19.2 | <1 | 6.1 | 4.5 | <0.5 | 0.70 | 0.57 | <5 | <5 | 1.1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <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 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 129.0 | 97.8 | 101.6 | 143.4 | 147.3 | 620.2 | 97.7 | 99.5 | 258.6 | 73.5 | 87.7 | 301.6 | 56.5 | 90.71 | 92.37 | 97.0 | 131.0 | 115.7 | 136.8 | 60.0 |
| Total Concentration of VOCs | | 129.0 | 98.8 | 101.6 | 143.4 | 147.3 | 620.2 | 97.7 | 99.5 | 258.6 | 73.5 | 87.7 | 301.6 | 56.5 | 90.7 | 92.4 | 97.0 | 131.0 | 115.7 | 136.8 | 60.0 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-8 (Cont'd) (D)* | Jun-96 | Aug-96 | Nov-96 | Mar-97 | Jun-97 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <10 |
| n-Butylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| sec-Butylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| ter-Butylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,4-Dichlorobenzene | 5 | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Ethylbenzene | 300 | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Isopropylbenzene | | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Methyl tert-Butyl Ether | 13 | | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 |
| Naphthalene | | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| n-Propylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,2,4-Trimethylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.1 | <10 |
| 1,3,5-Trimethylbenzene | | <0.5 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <10 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | 2.9 | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Bromoform | 80 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| Carbon Tetrachloride | 0.5 | 5.0 | 5.5 | 30.9 | 19.7 | 5.7 | 19.7 | 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 |
| Chloroform | 80 | 11.0 | 17.7 | 39.0 | 38.9 | 13.7 | 41.8 | 35.5 | 28.7 | 22.0 | 17.2 | 9.8 | 12.9 | 7.6 | 16.0 | 8.8 | 16.7 | 4.4 | 10.0 | 12.7 | <30 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | 2.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <1 | <1 | 1.8 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | 4.5 | <1 | <1 | 2.9 | 4.1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | 2.0 | <1 | <10 |
| cis-1,2-Dichloroethene | 6 | 1.4 | 1.8 | 2.0 | <1 | 1.1 | 2.4 | 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 |
| 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 | <10 |
| 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 | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 |
| 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 | <10 |
| Tetrachloroethene | 5 | 13.0 | 38.5 | 119.0 | 91.4 | 130.0 | 85.9 | 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 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 10.7 | <1 | <1 | <1 | <1 | <10 |
| 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 | <10 |
| Trichloroethene | 5 | 13.0 | 17.6 | 62.9 | 53.9 | 28.7 | 49.1 | 46.5 | 35.9 | 17.6 | 12.0 | 7.7 | 12.4 | 11.8 | 18.4 | 9.4 | 23.0 | 16.9 | 52.7 | 22.4 | 66.8 |
| Freon-113 | 1200 | <0.5 | <1 | 3.2 | 1.3 | <1 | 1.7 | 2.0 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Freon-123A | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 |
| Total Halogenated Hydrocarbons | | 43.4 | 81.1 | 261.5 | 209.7 | 179.2 | 203.5 | 209.8 | 166.5 | 64.2 | 56.7 | 33.6 | 59.7 | 45.5 | 87.8 | 45.4 | 105.0 | 60.0 | 186.4 | 87.5 | 233.9 |
| Total Concentration of VOCs | | 43.4 | 81.1 | 261.5 | 209.7 | 179.2 | 203.5 | 209.8 | 166.5 | 64.2 | 56.7 | 33.6 | 59.7 | 45.5 | 87.8 | 45.4 | 105.0 | 60.0 | 186.4 | 90.4 | 233.9 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-03 | Feb-03 | Aug-03 | Feb-04* | Jun-04 | Aug-04 | Feb-05 | Apr-05 | Aug-05 | Oct-05 | Dec-05 | Feb-06 | Feb-06 | Apr-06 | May-06 | Jun-06 | Aug-06 | Oct-06 | Nov-06 | Dec-06* |
| **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 | <0.5 |
| 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 | <0.5 |
| 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 | <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 | <0.5 |
| 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 | <1.0 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | 1.3 | <1 | <0.5 | <1 | 2.5 | <1 | <1 | 1.9 | 1.1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | 3.5 | 4.4 | <3 | <0.5 | 4.5 | 5.2 | <3 | 3.4 | 4.8 | 4.6 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 1.3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.3 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.68 |
| 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 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 8.4 | 9.6 | 10.0 | <0.5 | 4.9 | 11.9 | <1 | 3.1 | 7.4 | 4.9 | 4.1 | <1 | <1 | <1 | <1 | 2.1 | <1 | 2.0 | <1 | 1.4 |
| 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 | <0.5 |
| 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 | <0.5 |
| Trichloroethene | 5 | 6.8 | 7.0 | 3.9 | <0.5 | 4.1 | 5.5 | <1 | 5.8 | 5.7 | 3.9 | 4.2 | <1 | <1 | <1 | <1 | 2.3 | <1 | 1.5 | <1 | 2.1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <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 | |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 18.7 | 22.3 | 13.9 | | 13.5 | 25.1 | | 12.3 | 19.8 | 15.8 | 13.9 | | | | | 4.4 | | 3.5 | | 5.48 |
| Total Concentration of VOCs | | 18.7 | 22.3 | 13.9 | | 13.5 | 25.1 | | 12.3 | 19.8 | 15.8 | 13.9 | | | | | 4.4 | | 3.5 | | 5.5 |

# 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 (well is on annual sampling) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Dec-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Feb-94 | Jun-94 | Aug-94 | Nov-94* | Jan-95* | Sep-95 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | | | | | | |
| Naphthalene | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| n-Propylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | 1.7 | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Bromoform | 80 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | 2.3 | <1 | <1 | <1 | <1 | <1 | 0.65 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Tetrachloroethene | 5 | 1.3 | <1 | <0.5 | 1.5 | 1.7 | 1.3 | 2.3 | 1.7 | 1.7 | 8.7 | 10.7 | 22.0 | 14.9 | 12.0 | 10.0 | 8.1 | 8.5 | 10.0 | 13.0 | 14.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Trichloroethene | 5 | 2.0 | <1 | <0.5 | 2.0 | 2.3 | 1.3 | 1.7 | 1.7 | 1.7 | <5 | 2.5 | 4.9 | 3.3 | 2.4 | 2.4 | 2.6 | 2.5 | 3.0 | 2.7 | 3.2 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <5 |
| Freon-123A | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | 3.3 | | | 3.5 | 4.0 | 2.6 | 4.0 | 3.4 | 3.4 | 8.7 | 13.2 | 29.2 | 19.3 | 14.4 | 12.4 | 10.7 | 11.0 | 13.65 | 15.7 | 17.3 |
| Total Concentration of VOCs | | 3.3 | | | 3.5 | 4.0 | 2.6 | 4.0 | 3.4 | 3.4 | 8.7 | 13.2 | 30.9 | 19.3 | 14.4 | 12.4 | 10.7 | 11.0 | 13.7 | 15.7 | 17.3 |

# 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) Mar-96 | (D)* | Aug-96 | Mar-97 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <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 |
| Naphthalene | | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <2 | <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 | | <2 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <2 | <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 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <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 |
| 1,2-Dichloroethane | 0.5 | <1 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <1 | <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 | 12.7 | 13.0 | 8.0 | 8.8 | 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 |
| 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 | 2.3 | 2.5 | 1.9 | 1.9 | 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 |
| 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 | <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 | | 15.0 | 15.5 | 9.9 | 10.7 | 9.5 | 12.1 | 8.4 | 8.4 | 11.1 | 9.3 | 11.1 | 7.3 | 13.9 | 6.2 | 10.8 | 11.3 | 9.9 | 3.5 | 7.7 | 9.1 |
| Total Concentration of VOCs | | 15.0 | 15.5 | 9.9 | 10.7 | 9.5 | 12.1 | 8.4 | 8.4 | 11.1 | 9.3 | 11.1 | 7.3 | 13.9 | 6.2 | 10.8 | 11.3 | 9.9 | 3.5 | 7.7 | 9.1 |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-9 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-06 | Feb-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 | Jun-07 | Jul-07 | Aug-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 | <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 | | <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 | 16.4 | 10.5 | 4.9 | 6.9 | 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 |
| 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 | 1.6 | 1.2 | <1 | <1 | 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 |
| 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 | | 18.0 | 11.7 | 4.9 | 6.9 | 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 |
| Total Concentration of VOCs | | 18.0 | 11.7 | 4.9 | 6.9 | 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 |

# 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 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 | Nov-95 | Feb-96 | May-96 | Jul-96 | Nov-96 | Feb-97 | May-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <1 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <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 | <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 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <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 | <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 | <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 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <2 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <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 | <1 | <0.5 | <0.5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <1 | <1 | <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 | <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) 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 | Oct-00 | Jan-01 | May-01 | Jul-01 | Nov-01 | Jan-02 | Apr-02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 |
| 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)

| | | MWP-4 (Cont'd) | | | | | | | | | | | | | | | | | MWP-5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Jan-06 | Jul-06 | Feb-07 | Jul-07 | Nov-92 | Mar-93 | May-93 |
| **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 | <5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| 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 | <5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 | <5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <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 | <5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <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 | <5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | 1.9 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 | <5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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) Aug-93 | Nov-93 | Mar-94 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1.0 | <1 | <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 |
| Naphthalene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <2.0 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1.0 | <1 | <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 | <1.0 | <1 | <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 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <1.0 | <2 | <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 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1.0 | <1 | <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 | <1.0 | <1 | <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 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1.0 | <1 | <0.5 | <0.5 | <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 | <1 | <1 | <1.0 | <1 | <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-5 (Cont'd) Jan-98 | May-98* | Aug-98 | Oct-98 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <1000 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <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 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <600 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <400 | <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 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <200 | <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-5 (Cont'd) | | | | | | | | | | | | | | | | | MWP-6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | Apr-05 | Jul-05 | Jan-06 | Jul-06 | Mar-07 | Jul-07 | Nov-92 | Mar-93^ |
| **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 | <5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Methyl tert-Butyl Ether | 13 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| 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 | <5 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <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 | <5 | <1 |
| Tetrachloroethene | 5 | 1.9 | 7.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Trichloroethene | 5 | 5.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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-6 (Cont'd) 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 | May-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <10 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <10 | <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 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | 68.0 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | 3.5 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | | | <5 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | 71.5 | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | 71.5 | | | | | | | | | | | | | |

# Table 6-1 (Cont'd)
## Old Town Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MWP-6 (Cont'd) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <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 | <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 | <0.5 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <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 | <0.5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <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 | <0.5 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <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 | <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 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <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 | <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 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <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 | <0.5 | <1 | <1 | <0.5 | <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 |
| 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 | <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)

| | | MWP-6 (Cont'd) | | | | | | | | | | | | | | | | | MWP-7 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Nov-92 | Mar-93 | (D) |
| **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 | <5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | | | |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 |
| 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 | <5 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 | <5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 6.9 | <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 | <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 | <5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <10 | <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 | <5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | 2.5 | 4.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | 4.1 | 4.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 21.2 | 11.2 | 11.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.5 | 1.2 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 29.6 | 19.0 | 19.9 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | 29.6 | 19.0 | 19.9 |

# 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-7 (Cont'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 | Mar-96(G) | May-96 | Jul-96 | Dec-96 | Feb-97 | May-97 | Sep-97 | Dec-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1.0 | <1 | <2.0 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <2 | <0.5 | <2 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | 0.70 | 2.1 | 0.84 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.1 | 1.0 | 1.3 | 0.63 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 1.0 | 1.0 | <1 | 0.54 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.0 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <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 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <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 | <1.0 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.4 | 2.2 | 2.4 | 1.9 | 2.4 | 1.2 | 1.6 | 1.9 | 1.5 | 1.4 | <1 | 2.2 | 1.5 | 2.2 | 1.5 | 1.0 | 1.0 | <1 | <1 | 1.6 |
| 1,1,1-Trichloroethane | 200 | 4.2 | 1.8 | 4.7 | 0.95 | <1 | <1.0 | <1 | 1.5 | <0.5 | <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 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.7 | 15.5 | 19.2 | 14.0 | 8.9 | 12.0 | 11.2 | 8.7 | 6.5 | 6.5 | 2.1 | 12.4 | 7.0 | 4.8 | 6.3 | 8.4 | 6.2 | 5.7 | 4.8 | 7.3 |
| Freon-113 | 1200 | 3.8 | 1.4 | <1 | 1.0 | <1 | <1.0 | 4.3 | 0.56 | <0.5 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <1.0 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 32.2 | 23.9 | 27.6 | 19.0 | 11.3 | 13.2 | 17.1 | 13.36 | 10.1 | 8.74 | 2.1 | 14.6 | 8.5 | 7.0 | 7.8 | 9.4 | 7.2 | 5.7 | 4.8 | 8.9 |
| Total Concentration of VOCs | | 32.2 | 23.9 | 27.6 | 19.0 | 11.3 | 13.2 | 17.1 | 13.4 | 10.1 | 8.7 | 2.1 | 14.6 | 8.5 | 7.0 | 7.8 | 9.4 | 7.2 | 5.7 | 4.8 | 8.9 |

# 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-7 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Feb-98 | May-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 | Feb-01 | May-01 | Aug-01 | Nov-01 | Mar-02 | May-02 | Sep-02 | Oct-02 |
| **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 | <1 | <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 | <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 | 1.4 | 1.2 | 1.2 | 1.4 | <1 | 1.2 | 1.5 | 1.2 | 1.1 | <1 | <1 | <1 | 1.1 | 1.2 | <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 | 4.7 | 4.5 | 4.5 | 6.6 | 4.7 | 2.9 | 6.6 | 7.3 | 6.0 | 3.5 | 4.0 | 2.2 | 2.4 | 2.3 | 2.7 | 2.6 | 1.7 | 1.6 | 2.4 | 2.5 |
| 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 | <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 | | 5.9 | 5.9 | 5.7 | 8.9 | 6.1 | 2.9 | 7.8 | 8.8 | 7.2 | 4.6 | 4.0 | 2.2 | 2.4 | 3.4 | 3.9 | 2.6 | 1.7 | 1.6 | 2.4 | 2.5 |
| Total Concentration of VOCs | | 5.9 | 5.9 | 5.7 | 8.9 | 6.1 | 2.9 | 7.8 | 8.8 | 7.2 | 4.6 | 4.0 | 2.2 | 2.4 | 3.4 | 3.9 | 2.6 | 1.7 | 1.6 | 2.4 | 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 | MWP-7 (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-03 | May-03 | Jul-03 | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jun-05 | Jul-05 | Aug-05 | Oct-05[T] | Dec-05[T] | Feb-06 | May-06[T] | Jul-06 | Jan-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 | <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 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | <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 | 1.3 | 2.0 | 1.1 | 1.9 | 1.5 | <1 | 1.2 | <1 | <1 | <1 | 1.8 | 1.5 | <1 | 1.8 | 1.4 | 1.6 | <1 | 1.3 | 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 | | 3.1 | 2.0 | 1.1 | 1.9 | 1.5 | | 1.2 | | | | 1.8 | 1.5 | | 1.8 | 1.4 | 3.2 | | 1.3 | 1.1 | |
| Total Concentration of VOCs | | 3.1 | 2.0 | 1.1 | 1.9 | 1.5 | | 1.2 | | | | 1.8 | 1.5 | | 1.8 | 1.4 | 3.2 | | 1.3 | 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 | MWP-8 Nov-92 | Mar-93 | (D) | May-93 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | | | | | | | <5 |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | 1.0 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | 1.0 | 1.2 | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <10 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <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 | <1 |
| 1,1,1,2-Tetrachloroethane | | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | 1.0 | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | 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 (Continued) May-97 | Aug-97 | Nov-97 | Jan-98 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <0.5 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <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 | <1 | <0.5 | <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 | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <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 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <2 | <2 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <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 | | <1 | <1 | <1 | <1 | <0.5 | <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 | <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-02 | May-02 | Aug-02 | Oct-02 | 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 |
| **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 | <0.5 | <1 | <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 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <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 | <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 | <1 | <0.5 | <1 | <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 | <2 |
| p-Isopropyltoluene | | <1 | <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 | <5 | <0.5 | <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 | <2 |
| n-Propylbenzene | | <1 | <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 | <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 | <0.5 | <1 | <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 | <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 | <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 | <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 | <1 | <1 | <1 | <1 | 7.5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | | | | | | 10.0 | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | 10.0 | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.
[T]Treatment system influent samples

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

< = Less than Quantitation Limit
= Compound not included in analysis
# indicated QA/QC problems
[1]= resampling did not confirm the detection

# 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 | 46.0 | 51.1 | 53.6 | 67.9 | 36.2 | 54.0 | 30.5 | 37.5 | 24.8 | 32.7 | 23.6 | 20.7 | 13.1 | 17.0 | 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 | | 37.6 | 59.9 | 47.2 | 52.3 | 59.7 | 69.1 | 36.2 | 55.9 | 30.5 | 37.5 | 24.8 | 34.4 | 23.6 | 22.1 | 14.2 | 18.2 | 18.4 | 1.6 | 4.1 | 8.4 |
| Total Concentration of VOCs | | 37.6 | 59.9 | 47.2 | 52.3 | 59.7 | 69.1 | 36.2 | 55.9 | 30.5 | 37.5 | 24.8 | 34.4 | 23.6 | 22.1 | 14.2 | 18.2 | 18.4 | 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) | | | | | | SB7-97-1 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-06 | Dec-06* | Feb-07 | Apr-07 | Jun-07 | Aug-07 | 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 |
| **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 | <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 | <0.5 | <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 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <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 | | | | | | | | | | | | | | | 3.9 | | | | | | |
| **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 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | 16.8 | 6.5 | 5.2 | 12.5 | <1 | 6.3 | 20.1 | <3 | 6.6 | 3.2 | 31.0 | 29.1 | 23.2 | 16.8 |
| 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 | 1.3 | <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 |
| 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 | <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 | 3.6 | 7.6 | <1 | 1.8 | 6.4 | 9.5 | <1 | <1 | <1 | <1 | 2.8 | 1.6 | <1 | <1 | <0.5 | <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 | <1 | 3.4 | <1 | <1 | 1.1 | <1 | 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 |
| 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 | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 3.6 | 11.00 | | 1.8 | 7.5 | 9.5 | 30.9 | 11.2 | 5.2 | 20.0 | 6.3 | 11.0 | 29.5 | 1.9 | 13.3 | 6.1 | 31.0 | 29.1 | 24.5 | 20.4 |
| Total Concentration of VOCs | | 3.6 | 11 | | 1.8 | 7.5 | 9.5 | 30.9 | 11.2 | 5.2 | 20.0 | 6.3 | 11.0 | 29.5 | 5.8 | 13.3 | 6.1 | 31.0 | 29.1 | 24.5 | 20.4 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB7-97-1 (Cont'd) | | SB10-07-1 | | | | SB10-7-2 | SB10-7-3 | SB10-7-4 | SB10-7-5 | SB10-7-6 | SB16-97-11 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-06 | Oct-06 | Aug-07° | Sep-07 | Sep-07 | (D)* | Sep-07 | Sep-07 | Sep-07 | Sep-07 | Sep-07 | Nov-97 | Dec-97 | Apr-00 | May-01 | Mar-02 | Mar-03 | Mar-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 |
| 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 | <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 | <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 | <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 | <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 | <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 | 6.1 | 1.6 | <1 | <1 | <1 |
| Chloroform | 80 | 4.3 | 5.0 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | 11.9 | 1.3 | <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 |
| 1,2-Dichloroethane | 0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 4.0 | 2.2 | <1 | <1 | 1.4 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | 16.9 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 31.3 | 100.0 | 103.0 | 63.7 | 32.7 | 74.2 | 48.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.3 | 7.6 | 8.6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 5.0 | 17.3 | 15.4 | 10.7 | 6.7 | 9.3 | 10.2 |
| Freon-113 | 1200 | <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 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 5.6 | 12.6 | 26.6 | | | | | | | | | 48.2 | 123.7 | 126.7 | 76.0 | 39.4 | 84.9 | 63.1 |
| Total Concentration of VOCs | | 5.6 | 12.6 | 26.6 | | | | | | | | | 48.2 | 123.7 | 126.7 | 76.0 | 39.4 | 84.9 | 63.1 |

# 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 | SB16-97-11 (Cont'd) | | | SB16-98-1 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-05 | Mar-06* | Mar-07 | Mar-98 | Dec-98* | Mar-99 | 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* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| sec-Butylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| ter-Butylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | |
| p-Isopropyltoluene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <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 | <5 | <5 | <5 | |
| Naphthalene | | <2 | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | |
| n-Propylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| 1,3,5-Trimethylbenzene | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <0.5 | <3 | 8.2 | 17.0 | 11.7 | 12.4 | 10.1 | 15.8 | 11.3 | 15.1 | 8.2 | 12.0 | 6.4 | 7.3 | 4.6 | 9.6 | 4.0 | 6.2 | 3.3 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 0.57 | 1.2 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | 0.67 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 20.8 | 6.10 | 20.0 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloropropane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Tetrachloroethene | 5 | 41.0 | 17.0 | 19.7 | <1 | <0.5 | <1 | 1.7 | 1.1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 8.8 | 3.0 | 5.1 | 15.8 | 17.0 | 13.8 | 24.5 | 13.4 | 23.2 | 14.3 | 42.6 | 12.3 | 18.0 | 12.6 | 13.4 | 9.2 | 13.6 | 7.1 | 9.5 | 5.8 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 70.6 | 26.67 | 46.0 | 24.0 | 34.0 | 25.5 | 38.6 | 24.6 | 39.0 | 25.6 | 58.8 | 20.5 | 30.7 | 19.0 | 20.7 | 13.8 | 23.2 | 11.1 | 15.7 | 9.1 |
| Total Concentration of VOCs | | 70.6 | 26.7 | 46.0 | 24.0 | 34.0 | 25.5 | 38.6 | 24.6 | 39.0 | 25.6 | 58.8 | 20.5 | 30.7 | 19.0 | 20.7 | 13.8 | 23.2 | 11.1 | 15.7 | 9.1 |

# 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 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Mar-07 | Sept-07* | Oct-96 | Dec-96 | Dec-97 | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Oct-00 | Mar-01 | Oct-01 | Mar-02 | Sep-02* | Feb-03 | Aug-03 | Mar-04 | Aug-04 | Mar-05 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <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 | <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 | <0.5 | <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 | <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 | <0.5 | <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 | <1 | <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 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 3.6 | 3.1 | 2.7 | <1 | <1 | 3.8 | 24.7 | 10.0 | 9.5 | 9.0 | 11.4 | 4.6 | 3.8 | <3 | 4.4 | <3 | 3.2 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <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 | 1.8 | <1 | <1 | <1 | 3.6 | 1.5 | 4.3 | 1.3 | 10.0 | 6.0 | 8.2 | 6.3 | 4.7 | 6.4 | 11.1 | 7.3 | 14.9 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 | <1 | <1 | <1 | <1 | 1.8 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <2 | <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 | <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 | 2.0 | <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 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 7.7 | 3.6 | 6.8 | 45.8 | 31.5 | 2.4 | 2.9 | 11.9 | 18.4 | 14.6 | 15.7 | 34.8 | 32.0 | 36.5 | 29.0 | 22.3 | 28.8 | 39.4 | 28.3 | 53.5 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <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 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11.3 | 6.7 | 9.5 | 47.6 | 31.5 | 6.2 | 27.6 | 25.5 | 29.4 | 27.9 | 28.4 | 51.4 | 41.8 | 44.7 | 40.6 | 27.0 | 38.4 | 50.5 | 35.6 | 70.2 |
| Total Concentration of VOCs | | 11.3 | 6.7 | 9.5 | 47.6 | 31.5 | 6.2 | 27.6 | 25.5 | 29.4 | 27.9 | 28.4 | 51.4 | 41.8 | 44.7 | 40.6 | 27.0 | 38.4 | 50.5 | 35.6 | 70.2 |

# 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 | SB25A-96-3 (Cont'd) | | | | | | | | | SB27-96-1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-05 | Nov-05 | Feb-06 | Apr-06 | Sep-06 | Oct-06 | Mar-07 | May-07 | Sept-07* | Aug-96 | Nov-96 | Apr-98 | Mar-99 | Oct-99 | Apr-00 | Sep-00 | Oct-01 | Mar-02 | Dec-05 | Feb-06 |
| **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 |
| 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 | <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 | <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 | <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 |
| 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 | <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 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 3.2 | <1 | <1 | 2.1 | 1.5 | 3.4 | <1 | <1 | 1.5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | 10.9 | 1.1 | 1.3 | 6.5 | 7.2 | 8.6 | <3 | <3 | 5.5 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | <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 | 18.6 | 20.8 | 18.6 | 18.9 | 26.5 | 17.9 | 23.9 | 24.6 | 28.0 | 1.7 | 1.4 | <1 | <1 | 1.2 | <1 | 1.4 | 1.2 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.1 | 2.7 | 2.8 | 3.0 | 4.2 | 3.0 | 3.7 | 4.0 | 3.7 | 8.9 | 12.4 | 53.3 | 5.7 | 5.6 | 3.0 | 51.8 | 15.2 | 24.2 | 2.7 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.63 | <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 |
| 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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 37.1 | 19.3 | 14.5 | 16.3 | 23.8 | 14.7 | 13.8 | 34.6 | 46.7 | 2.6 | 3.2 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 4.9 | 5.5 | <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 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 61.4 | 75.4 | 78.2 | 83.5 | 94.9 | 77.7 | 94.8 | 95.6 | 98.0 | 33.4 | 37.1 | 32.6 | 11.3 | 27.6 | 9.5 | 21.1 | 49.0 | 32.1 | 3.9 | 3.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 | <0.5 | <1 | 1.8 | <1 | <1 | <1 | <1 | 7.7 | 9.4 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 82.1 | 98.9 | 99.6 | 105.4 | 125.6 | 98.6 | 122.4 | 124.2 | 131.0 | 95.2 | 73.1 | 101.7 | 41.9 | 66.9 | 44.1 | 101.3 | 109.4 | 110.0 | 9.2 | 7.1 |
| Total Concentration of VOCs | | 82.1 | 98.9 | 99.6 | 105.4 | 125.6 | 98.6 | 122.4 | 124.2 | 131.0 | 95.2 | 73.1 | 101.7 | 41.9 | 66.9 | 44.1 | 101.3 | 109.4 | 110.0 | 9.2 | 7.1 |

# 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 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-07 | Sep-07 | Apr-98 | Mar-99 |
| **Aromatic or 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 | <5 | <1 |
| n-Butylbenzene | | <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 | <5 | <1 |
| ter-Butylbenzene | | <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 | <0.5 | <1 | <1 | <0.5 | <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 | <10 | <2 |
| p-Isopropyltoluene | | <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 | <5 | <5 | <5 | <5 | <5 | <25 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| n-Propylbenzene | | <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 | <0.5 | <1 | <1 | <0.5 | <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 | <5 | <1 |
| 1,3,5-Trimethylbenzene | | <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 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.96 | <3 | <3 | 1.4 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <10 | <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 | <5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.71 | <1 | <1 | 0.53 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 | <1 | <5 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <10 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Tetrachloroethene | 5 | 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 | <5 | 1.0 |
| 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 | <5 | <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 | <5 | <1 |
| Trichloroethene | 5 | 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 | <1 | <1 | 8.7 | 4.2 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 |
| Total Halogenated Hydrocarbons | | 5.4 | 3.6 | 3.2 | 1.8 | 3.4 | | 1.8 | 1.5 | 5.07 | | 1.3 | 4.21 | 3.3 | 1.6 | | 1.4 | | | 8.7 | 5.2 |
| Total Concentration of VOCs | | 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 | | | 8.7 | 5.2 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB44-98-1 (Cont'd) | | | | | | | | | | | | | | | | | SB52A-98-1 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Oct-99 | Apr-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 | Oct-02* | Feb-03 | Sep-03 | Mar-04 | Sep-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07 | Sept-07* | Apr-98 | Mar-99 | Oct-99 |
| **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 | <5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <10 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | | <25 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | | <10 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <10 | <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 | <5 | <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 | <5 | 17.5 | 14.4 |
| Chloroform | 80 | 1.4 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | 26.8 | 35.3 | 49.1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <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 | <10 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 2.9 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <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 | 20.9 | 52.0 | 45.6 |
| 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 | <5 | 1.1 | 1.9 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <10 | <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 | <5 | <1 | <1 |
| Tetrachloroethene | 5 | 2.0 | 1.4 | 2.7 | 1.0 | 3.5 | <1 | 2.6 | <1 | <1 | <1 | 1.9 | <1 | <1 | 0.69 | <1 | <1 | 0.56 | 8.1 | 39.9 | 22.5 |
| 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 | <5 | <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 | <5 | <1 | <1 |
| Trichloroethene | 5 | 7.0 | 3.0 | 9.6 | 3.8 | 18.2 | 1.9 | 16.0 | 2.8 | 19.7 | 2.7 | 15.2 | 4.9 | 13.2 | 6.3 | 6.8 | 9.1 | 4.2 | 36.0 | 114.0 | 142.0 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | | <5 | <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 | <5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 10.4 | 4.4 | 12.3 | 4.8 | 24.6 | 1.9 | 20.2 | 2.8 | 19.7 | 2.7 | 17.1 | 4.9 | 13.2 | 6.99 | 6.8 | 9.1 | 4.76 | 91.8 | 259.8 | 275.5 |
| Total Concentration of VOCs | | 10.4 | 4.4 | 12.3 | 4.8 | 24.6 | 1.9 | 20.2 | 2.8 | 19.7 | 2.7 | 17.1 | 4.9 | 13.2 | 7 | 6.8 | 9.1 | 4.8 | 91.8 | 259.8 | 275.5 |

# 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 | SB52A-98-1 (Cont'd) | | | | | | | | | | | | | SB53-96-3 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Apr-00 | Oct-00 | May-01 | Oct-01 | Mar-02 | Oct-02* | Mar-03 | Sep-03 | Mar-04 | Sep-04 | Sep-06 | Mar-07 | Sept-07* | Jun-96 | Jun-96 | Aug-96 | Nov-96 | Apr-98 | Dec-98 | Mar-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <2 | <50 | <1 | <100 | <10 | <100 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <50 | <1 | <100 | <2 | <200 | <20 | <200 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | <5 | <5 | <5 | | | | | | <500 | <50 | <100 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | | <50 | <1 | <100 | <2 | <200 | <20 | <200 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <100 | <2 | <50 | <1 | <100 | <10 | <100 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <100 | <2 | <100 | <2 | <200 | <20 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Carbon Tetrachloride | 0.5 | 13.0 | 12.1 | 5.1 | 9.8 | 5.9 | 7.2 | 4.9 | 7.3 | 3.0 | 5.8 | <1 | <1 | <0.5 | <50 | 15.0 | <50 | 37.9 | <100 | <10 | <100 |
| Chloroform | 80 | 35.0 | 43.2 | 22.2 | 36.4 | 29.3 | 24.0 | 25.6 | 21.6 | 11.0 | 14.7 | <3 | <3 | <0.5 | <50 | 6.6 | <50 | 6.2 | <100 | <10 | <100 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | 4.4 | <50 | 4.7 | <100 | <10 | <100 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <100 | <2 | <100 | <2 | <200 | <20 | <200 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | 32.7 | <50 | 51.5 | <100 | 10.4 | <100 |
| cis-1,2-Dichloroethene | 6 | 39.9 | 55.0 | 33.7 | 51.1 | 55.2 | 30.0 | 44.3 | 23.3 | 18.4 | 16.9 | <1 | <1 | <0.5 | 130.0 | 115.0 | 98.0 | 124.0 | 111.0 | 56.2 | 442.0 |
| trans-1,2-Dichloroethene | 10 | 1.7 | 1.4 | 1.0 | 1.5 | 1.6 | 1.8 | 1.4 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <50 | 6.7 | <100 | <2 | <200 | <20 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <100 | <2 | <50 | <1 | <100 | <10 | <100 |
| Tetrachloroethene | 5 | 24.8 | 34.5 | 14.4 | 24.4 | 23.0 | 28.0 | 25.9 | 21.7 | 20.1 | 15.9 | <1 | <1 | <0.5 | 3,290 | 3,780 | 2,230 | 5,130 | 1,970 | 1,200 | 11,400 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | 16.5 | <50 | 20.2 | <100 | <10 | <100 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | 2.9 | <50 | 2.1 | <100 | <10 | <100 |
| Trichloroethene | 5 | 79.0 | 114.5 | 66.0 | 103.8 | 102.1 | 77.0 | 81.0 | 62.3 | 39.4 | 46.5 | <1 | <1 | <0.5 | 465.0 | 436.0 | 312.0 | 883.0 | 306.0 | 178.0 | 1,820 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <100 | <2 | <100 | <10 | <100 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | | | | | <100 | <10 | <100 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <50 | <1 | <50 | <1 | <100 | <10 | <100 |
| Total Halogenated Hydrocarbons | | 193.4 | 260.7 | 142.4 | 227.0 | 217.1 | 168.0 | 183.1 | 136.2 | 91.9 | 99.8 | | | | 3,885 | 4,416 | 2,640 | 6,260 | 2,387 | 1,445 | 13,662 |
| Total Concentration of VOCs | | 193.4 | 260.7 | 142.4 | 227.0 | 217.1 | 168.0 | 183.1 | 136.2 | 91.9 | 99.8 | | | | 3,885 | 4,416 | 2,640 | 6,260 | 2,387 | 1,445 | 13,662 |

# 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) 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)* | May-03 | Aug-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| n-Butylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| sec-Butylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| ter-Butylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Ethylbenzene | 300 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Isopropylbenzene | | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 | <200 | <200 |
| p-Isopropyltoluene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Methyl tert-Butyl Ether | 13 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <500 | <10 | <500 | <5 | <30 | <500 | <500 |
| Naphthalene | | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 | <200 | <200 |
| n-Propylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Toluene | 150 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Xylenes, total | 1750 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <50 | <200 | <200 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Carbon Tetrachloride | 0.5 | 11.2 | 50.0 | <100 | <50 | 20.1 | 46.2 | 40.0 | <100 | <100 | 115.3 | 130.0 | <100 | <100 | <100 | 97.0 | <100 | 87.4 | 67.0 | <100 | <100 |
| Chloroform | 80 | <10 | <10 | <100 | <50 | <10 | <30 | <30 | <300 | <300 | <300 | <70 | <300 | <300 | <300 | 19.0 | <300 | 8.1 | <30 | <300 | <300 |
| 1,1-Dichloroethane | 5 | <10 | 14.7 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 3.9 | <30 | <100 | <100 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | <2 | <30 | <200 | <200 |
| 1,1-Dichloroethene | 6 | 24.4 | 77.8 | <100 | <50 | 28.8 | 35.7 | 35.0 | <100 | <100 | <100 | 81.0 | <100 | <100 | <100 | 98.0 | <100 | 58.3 | 53.0 | <100 | <100 |
| cis-1,2-Dichloroethene | 6 | 60.2 | 69.0 | <100 | 205.0 | 190.0 | 251.7 | 1,025 | 272.1 | 429.9 | 245.5 | 280.0 | 135.2 | <100 | 151.1 | 910.0 | 116.8 | 306.0 | 370.0 | <100 | <100 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 7.2 | <30 | <100 | <100 |
| Methylene Chloride | 5 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | 87.0† | <100 | <100 | <100 | <20 | <100 | <1 | <50 | <100 | <100 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <200 | <100 | <20 | <20 | <20 | <200 | <200 | <200 | <70 | <200 | <200 | <200 | <10 | <200 | 15.1 | <30 | <200 | <200 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Tetrachloroethene | 5 | 1,680 | 3,830 | 1,940 | 1,430 | 2,690 | 3,895 | 3,034 | 2,141 | 7,140 | 8,519 | 11,000 | 2,158 | 3,186 | 7,969 | 8,600 | 7,422 | 5,980 | 6,000 | 4,280 | 4,430 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <100 | <50 | <10 | <10 | 20.0 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | 1.7 | <30 | <100 | <100 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Trichloroethene | 5 | 419.0 | 1,340 | 562.0 | 276.0 | 612.0 | 940.3 | 740.0 | 619.8 | 1,686 | 2,576 | 2,700 | 606.6 | 969.9 | 2,411 | 3,400 | 2,724 | 1,760 | 1,700 | 1,010 | 1,420 |
| Freon-113 | 1200 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | <70 | <100 | <100 | <100 | <10 | <100 | <1 | <30 | <100 | <100 |
| Freon-123A | | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | <100 | | <100 | <100 | <100 | | <100 | <1 | | <100 | <100 |
| Vinyl Chloride | 0.5 | <10 | <10 | <100 | <50 | <10 | <10 | <10 | <100 | <100 | 395.0 | 800.0 | 116.8** | <100 | 134.2 | 220.0 | <100 | 13.4 | <30 | <100 | <100 |
| Total Halogenated Hydrocarbons | | 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 | 8,241.1 | 8,190 | 5,290 | 5,850 |
| Total Concentration of VOCs | | 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 | 5,290 | 5,850 |

# 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-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 | Aug-06 | Sep-06 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| n-Butylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| sec-Butylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| ter-Butylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| Ethylbenzene | 300 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Isopropylbenzene | | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | | <20 | <20 | <20 | <2 | <20 | <20 |
| p-Isopropyltoluene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <500 | <500 | <20 | <250 | <250 | <250 | <250 | <50 | <250 | <250 | <50 | <50 | <5 | | <50 | <50 | <50 | <5 | <50 | <50 |
| Naphthalene | | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | | <20 | <20 | <20 | <2 | <20 | <20 |
| n-Propylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| Toluene | 150 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| Xylenes, total | 1750 | <200 | <200 | <30 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | <1 | <20 | <20 | <20 | <2 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | 22.8 | <50 | <50 | 18.8 | 10.5 | 10.3 | 10.0 | <10 | <10 | <10 | 8.5 | <10 | <10 |
| Chloroform | 80 | <300 | <300 | <20 | <150 | <150 | <150 | <150 | <30 | <150 | <150 | <30 | <30 | <3 | 0.73 | <30 | <30 | <30 | <3 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | <0.5 | <20 | <20 | <20 | <2 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <100 | <100 | 25.0 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | 5.4 | 5.0 | <10 | <10 | <10 | 4.1 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | <100 | <100 | 91.0 | <50 | <50 | 65.1 | <50 | 57.0 | <50 | <50 | 50.0 | 29.5 | 28.0 | 24.0 | 19 | <10 | 18.4 | 19.8 | 17.8 | 15.5 |
| trans-1,2-Dichloroethene | 10 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Methylene Chloride | 5 | <100 | <100 | 48.0 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <200 | <200 | <20 | <100 | <100 | <100 | <100 | <20 | <100 | <100 | <20 | <20 | <2 | 1.2 | <20 | <20 | <20 | <2 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Tetrachloroethene | 5 | 3,570 | 2,510 | 1,900 | 1,200 | 1,170 | 1,990 | 1,650 | 1,280 | 1,230 | 1,520 | 1,140 | 820 | 677.0 | 1000.0 | 486 | 248 | 398 | 452.0 | 397 | 360 |
| 1,1,1-Trichloroethane | 200 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Trichloroethene | 5 | 816.0 | 561.0 | 530.0 | 261.0 | 293.0 | 487.0 | 443.0 | 381.0 | 370.0 | 449.0 | 395.0 | 243.0 | 199.0 | 220.0 | 136 | 59.7 | 121.0 | 157.0 | 140.0 | 125.0 |
| Freon-113 | 1200 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Freon-123A | | <100 | <100 | | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | | <10 | <10 | <10 | <1 | <10 | <10 |
| Vinyl Chloride | 0.5 | <100 | <100 | <20 | <50 | <50 | <50 | <50 | <10 | <50 | <50 | <10 | <10 | <1 | <0.5 | <10 | <10 | <10 | <1 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 4,386 | 3,071 | 2,594 | 1,461 | 1,463 | 2,542 | 2,093 | 1,740.8 | 1,600 | 1,969 | 1,603.8 | 1,103.0 | 919.7 | 1,260.9 | 641 | 307.7 | 537.4 | 641.4 | 554.8 | 500.5 |
| Total Concentration of VOCs | | 4,386 | 3,071 | 2,594 | 1,461 | 1,463 | 2,542 | 2,093 | 1,741 | 1,600 | 1,969 | 1,604 | 1,103 | 919.7 | 1,261 | 641 | 307.7 | 537.4 | 641.4 | 554.8 | 500.5 |

# 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 | SB53-96-3 (Cont'd) | | | | | | | | | | | | SB58-01-02 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-06 | Nov-06 | Dec-06* | Jan-07 | Feb-07 | Mar-07* | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Aug-96 | Aug-96 | Nov-96 | Dec-98 | Jun-99 | Mar-00 | Oct-00 | Mar-01 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | | <20 | <10 | | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | | <50 | <25 | | <5 | <5 | <50 | <5 | <50 | <5 | | | | <50 | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | | <20 | <10 | | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <1 | <20 | <10 | <1 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <10 | <10 | 3.7 | <10 | 5.9 | 4 | 4.1 | 3.7 | <10 | 3 | <10 | 4.2 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <30 | <30 | 0.66 | <30 | <15 | <0.5 | <3 | <3 | <30 | <3 | <30 | <3 | <1 | <1 | <1 | <10 | <1 | <1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | 2.2 | <10 | 7.6 | 9.8 | 9.2 | 11.5 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <0.5 | <20 | <10 | <0.5 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | 2.2 | <10 | <5 | 2.6 | 2.1 | 1.9 | <10 | 1.8 | <10 | 2.6 | <1 | <1 | 5.6 | 17.9 | 18.4 | 22.0 | 21.3 | 29.1 |
| cis-1,2-Dichloroethene | 6 | 13.7 | 13.0 | 16.0 | 11.7 | 13.3 | 14.0 | 10.9 | 10.5 | 11.0 | 12.5 | <10 | 13 | <1 | <1 | 1.9 | <10 | 9.2 | 9.2 | 7.0 | 8.2 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <1 | <10 | <5 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | 0.61 | <20 | <10 | <0.5 | <2 | <2 | <20 | <2 | <20 | <2 | <2 | <2 | <2 | <20 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 285 | 247 | 240.0 | 223 | 362 | 240.0 | 253 | 214 | 203 | 207 | 85 | 259 | <1 | <1 | <1 | 20.6 | 32.3 | 31.2 | 23.3 | 28.8 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 94.8 | 76.4 | 91.0 | 81.0 | 117.0 | 84.0 | 87 | 71.4 | 67.0 | 68.5 | 16.0 | 84.4 | <1 | 1.2 | 12.0 | 40.3 | 48.7 | 45.1 | 44.6 | 53.6 |
| Freon-113 | 1200 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | | <10 | <5 | | <1 | <1 | <10 | <1 | <10 | <1 | | | | <10 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <0.5 | <10 | <5 | <0.5 | <1 | <1 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 393.5 | 336.4 | 354.2 | 315.7 | 498.2 | 344.6 | 357.1 | 301.5 | 281.0 | 292.8 | 100.9 | 363.2 | | 1.2 | 21.7 | 78.8 | 116.2 | 117.3 | 105.4 | 131.2 |
| Total Concentration of VOCs | | 393.5 | 336.4 | 354.2 | 315.7 | 498.2 | 344.6 | 357.1 | 301.5 | 281.0 | 292.8 | 100.9 | 363.2 | | 1.2 | 21.7 | 78.8 | 116.2 | 117.3 | 105.4 | 131.2 |

# 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 | SB58-01-02 (Cont'd) | | | | | | | | | | | | | SB58-95-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-01 | Mar-02 | Sep-02 | Mar-03 | Sep-03 | Mar-04 | Aug-04 | Mar-05 | Sep-05 | Mar-06* | Sep-06 | Mar-07* | Sept-07* | Jun-95* | (D) | Jun-99 | Sep-00 | Sep-01 | Sep-02 | Sep-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <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 |
| sec-Butylbenzene | | <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 | | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <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 |
| p-Isopropyltoluene | | <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 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <2 | | | <0.5 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <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 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <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 |
| 1,3,5-Trimethylbenzene | | <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 | <1 | <2 | <1 | <1 | <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 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.53 | <3 | <0.5 | 0.51 | <0.5 | <1 | <1 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 9.2 | 8.0 | 7.0 | 6.5 | 8.4 | 7.8 | 7.7 | 6.9 | 8.0 | 7.6 | 8.5 | 8.1 | 7.8 | 1.2 | 4.7 | <1 | <1 | 1.2 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 23.6 | 22.2 | 22.0 | 17.5 | 24.3 | 20.3 | 22.0 | 19.9 | 22.4 | 21.0 | 20.3 | 20.0 | 21 | 4.7 | 7.0 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 8.3 | 8.8 | 8.9 | 9.0 | 11.1 | 9.6 | 9.0 | 7.7 | 7.4 | 7.7 | 8.4 | 7.6 | 7.5 | 2.3 | 6.1 | 1.4 | <1 | 1.1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 | <1 | 0.59 | 0.59 | <0.5 | 4.2 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <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 | <0.5 | <2 | <0.5 | <0.5 | <0.5 | <1 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 26.3 | 29.1 | 28.2 | 24.0 | 36.2 | 27.3 | 24.7 | 30.3 | 28.7 | 37.0 | 29.8 | 27.0 | 31.0 | 5.2 | 7.2 | 2.8 | 2.2 | 2.2 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.51 | <1 | <0.5 | 0.52 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 50.6 | 47.6 | 43.6 | 38.4 | 46.2 | 40.5 | 35.3 | 37.5 | 42.1 | 43.0 | 35.4 | 33.0 | 39 | 20.0 | 26.6 | 5.4 | 5.9 | 5.1 | 2.9 | 1.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <5 | <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 | 0.71 | <1 | <0.5 | <0.5 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 118.0 | 115.7 | 109.7 | 95.4 | 126.2 | 105.5 | 98.7 | 102.3 | 108.6 | 118.7 | 102.4 | 96.29 | 107.92 | 34.60 | 55.8 | 9.6 | 8.1 | 9.6 | 2.9 | 1.9 |
| Total Concentration of VOCs | | 118.0 | 115.7 | 109.7 | 95.4 | 126.2 | 105.5 | 98.7 | 102.3 | 108.6 | 118.7 | 102.4 | 96.3 | 107.9 | 34.6 | 55.8 | 9.6 | 8.1 | 9.6 | 2.9 | 1.9 |

# 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 | SB58-95-1 (Cont'd) | | | | SB58-95-2 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-04 | Aug-05 | Sep-06 | Sept-07* | Jun-95 | (D)* | Sep-95 | Dec-95 | Jun-99 | Oct-99 | Mar-00 | Jun-00 | Oct-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02 | Mar-03 | Sep-03 | Mar-04 | Aug-04 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | | <2 | <0.5 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | | | | | | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | | <2 | <0.5 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | 7.4 | 3.2 | 1.5 | 1.4 | <1 | <2 | 1.2 | <1 | <1 | 1.3 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <1 | 1.3 | <1 | <1 | <1 | <2 | <1 | <3 | <3 | 3.0 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.8 | 2.6 | 1.4 | 5.6 | 14.5 | 11.0 | 10.8 | 10.0 | 4.0 | 4.6 | 4.5 | 4.7 | 5.1 | 8.1 | 7.1 | 8.2 | 7.3 | 8.5 | 8.4 | 7.9 | 8.6 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | 0.5 | 43.0 | 41.0 | 44.5 | 46.5 | 12.6 | 13.6 | 12.2 | 15.4 | 14.7 | 21.6 | 21.7 | 23.3 | 18.1 | 14.6 | 17.3 | 14.6 | 19.9 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.4 | 10.3 | 7.8 | 9.3 | 9.0 | 6.3 | 4.6 | 6.9 | 6.6 | 6.3 | 6.9 | 7.4 | 7.0 | 4.7 | 5.9 | 6.2 | 5.7 | 5.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | 4.1 | <0.5 | <1 | <1 | <1 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <1 | <0.5 | <1 | <1 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | 1.7 | <1 | 2.3 | 48.4 | 37.0 | 38.2 | 50.4 | 29.7 | 21.0 | 29.3 | 35.9 | 36.1 | 45.9 | 54.5 | 54.7 | 45.8 | 35.6 | 43.5 | 28.2 | 24.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | 4.0 | 1.4 | 1.6 | 1.7 | 1.2 | <2 | 1.6 | 1.9 | 1.7 | 2.4 | 2.2 | 2.4 | 2.1 | 1.6 | 1.4 | 1.2 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | 2.3 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | 1.4 | <1 | 2.6 | 74.9 | 56.0 | 52.9 | 58.1 | 22.9 | 26.9 | 20.4 | 27.5 | 25.5 | 32.2 | 34.6 | 36.2 | 31.5 | 24.5 | 27.7 | 27.9 | 21.8 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <5 | <0.5 | <5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | | <1 | <0.5 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | 4.7 | 2.7 | 3.2 | 1.8 | <2 | 2.4 | 1.9 | 1.7 | 3.3 | 2.5 | 3.0 | 1.6 | 3.1 | 2.9 | 2.2 | 1.9 |
| Total Halogenated Hydrocarbons | | 1.8 | 5.7 | 1.4 | 12.4 | 209 | 163 | 162 | 180 | 78.5 | 70.7 | 78.5 | 93.9 | 91.1 | 125 | 130 | 136 | 111 | 93.8 | 107 | 87.7 | 82.1 |
| Total Concentration of VOCs | | 1.8 | 5.7 | 1.4 | 12.4 | 209 | 163 | 162 | 180 | 78.5 | 70.7 | 78.5 | 93.9 | 91.1 | 125 | 130 | 136 | 111 | 93.8 | 107 | 87.7 | 82.1 |

# 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) | | | | | | SB58-96-1 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-05 | Aug-05 | Mar-06* | Sep-06 | Mar-07* | Sept-07* | 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 | Sep-02 | Mar-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | | <2 | | | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | | <5 | | | | | | <5 | <50 | <50 | <250 | <50 | <50 | <50 | <5 | <50 | <50 | <5 | <5 |
| Naphthalene | | <2 | <2 | | <2 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | | <1 | | | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | 0.7 | 1.2 | <1 | <1 | <1 | 3.3 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | 0.51 | <3 | 0.55 | 0.61 | <1 | <1 | <1 | 15.6 | <10 | <10 | <50 | <30 | <10 | <30 | <3 | <30 | <30 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 8.5 | 10.1 | 8.7 | 10.4 | 7.5 | 7.9 | <1 | <1 | <1 | 2.3 | <10 | <10 | <50 | <10 | <10 | <10 | 2.3 | <10 | <10 | 1.2 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 21.2 | 26.0 | 20.0 | 21.0 | 19.0 | 17.0 | <1 | <1 | <1 | 4.2 | <10 | <10 | <50 | <10 | <10 | <10 | 2.8 | <10 | <10 | 2.0 | 1.1 |
| cis-1,2-Dichloroethene | 6 | 6.6 | 7.6 | 6.5 | 8.0 | 7.2 | 7.6 | <1 | <1 | 1.3 | 131.0 | 98.4 | 142.0 | 78.5 | 105.0 | 94.1 | 105.3 | 187.7 | 380.7 | 119.4 | 570.0 | 145.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | 1.3 | <10 | <10 | 1.2 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | 1.2 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <20 | <20 | <100 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Tetrachloroethene | 5 | 37.6 | 43.7 | 45.0 | 36.7 | 34.0 | 35.0 | <1 | 1.0 | 2.0 | 538.0 | 481.0 | 547.0 | 214.0 | 272.0 | 429.0 | 176.6 | 343.2 | 120.2 | 114.5 | 31.4 | 154.0 |
| 1,1,1-Trichloroethane | 200 | 1.8 | 2.7 | 2.4 | 1.7 | 1.3 | 1.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | 1.9 | <10 | <10 | <50 | <10 | <10 | <10 | 1.5 | <10 | <10 | <1 | <1 |
| Trichloroethene | 5 | 29.3 | 33.8 | 29.0 | 28.5 | 24.0 | 27.0 | 1.1 | 1.7 | 4.3 | 872.0 | 782.0 | 936.0 | 690.0 | 254.0 | 276.0 | 352.0 | 832.0 | 466.3 | 405.8 | 336.0 | 388.0 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Freon-123A | | <1 | <1 | | <1 | | | | | | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Vinyl Chloride | 0.5 | 1.8 | 2.0 | 2.0 | 2.3 | 1.6 | 1.3 | <1 | <1 | <1 | <1 | <10 | <10 | <50 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 107 | 126 | 114.11 | 108.6 | 95.85 | 99.11 | 1.1 | 2.7 | 7.6 | 1,568 | 1,361 | 1,625 | 983 | 631 | 799 | 634 | 1,371 | 967 | 640 | 942 | 689 |
| Total Concentration of VOCs | | 107 | 126 | 114.1 | 108.6 | 95.9 | 99.1 | 1.1 | 2.7 | 7.6 | 1,568 | 1,361 | 1,625 | 983 | 631 | 799 | 634 | 1,371 | 967 | 640 | 942 | 689 |

# 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 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-96 | Nov-96 | Apr-98 | Dec-98 | Mar-99 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| n-Butylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| sec-Butylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| ter-Butylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Ethylbenzene | 300 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Isopropylbenzene | | <20 | <2 | <20 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| p-Isopropyltoluene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <50 | <5 | <50 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | | | <50 | <50 | <50 |
| Naphthalene | | <10 | <2 | <20 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| n-Propylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Toluene | 150 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Xylenes, total | 1750 | <20 | <2 | <20 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 3.3 | <1 | 33.9 | <10 | 25.6 |
| Chloroform | 80 | <30 | <3 | <30 | <3 | <3 | <3 | 0.97 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | 1.9 | 1.5 | 14.9 | <10 | <10 |
| 1,1-Dichloroethane | 5 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 6.3 | 8.8 | 23.2 | <10 | 15.4 |
| 1,2-Dichloroethane | 0.5 | <20 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 10.7 | 31.2 | 111.0 | 31.5 | 72.5 |
| cis-1,2-Dichloroethene | 6 | 215.0 | 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 | 24.8 | 27.3 | 128.0 | 32.4 | 108.0 |
| trans-1,2-Dichloroethene | 10 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Methylene Chloride | 5 | <10 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <20 | <2 | <20 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Tetrachloroethene | 5 | 290.0 | 95.1 | 199.0 | 97.3 | 106.0 | 65.5 | 55.0 | 44.4 | 36.7 | 38.3 | 53.2 | 53.6 | 39.0 | 29.1 | 25.3 | 24.9 | 525.0 | 320.0 | 3,650 | 503.0 | 4560 |
| 1,1,1-Trichloroethane | 200 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.8 | <1 | <10 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.3 | <1 | <10 | <10 | <10 |
| Trichloroethene | 5 | 738.0 | 157.0# | 164.0 | 93.3 | 83.6 | 71.8 | 43.0 | 35.9 | 38.0 | 35.5 | 46.9 | 48.4 | 30.0 | 24.8 | 20.9 | 28.2 | 173.0 | 187.0 | 1,350 | 251.0 | 1200 |
| Freon-113 | 1200 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Freon-123A | | <10 | <1 | <10 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | | | <10 | <10 | <10 |
| Vinyl Chloride | 0.5 | <10 | <1 | <10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 1,243 | 320 | 442 | 218 | 222 | 157.6 | 108.27 | 88.7 | 86.4 | 83.9 | 108.7 | 111.4 | 74.1 | 59.3 | 52.6 | 62.2 | 748 | 576 | 5,311 | 818 | 5,982 |
| Total Concentration of VOCs | | 1,243 | 320 | 442 | 218 | 222 | 157.6 | 108.3 | 88.7 | 86.4 | 83.9 | 108.7 | 111.4 | 74.1 | 59.3 | 52.6 | 62.2 | 748 | 576 | 5,311 | 818 | 5,982 |

# 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) Jun-99 | Oct-99 | Oct-99 | Nov-99 | *(D) | Mar-00 | May-00 | Oct-00 | Dec-00 | (D)* | Mar-01 | Jun-01 | Sep-01 | Dec-01 | Mar-02 | Jun-02 | Sep-02 | Nov-02 | Mar-03 | May-03 | Aug-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| n-Butylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| sec-Butylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| ter-Butylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Ethylbenzene | 300 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Isopropylbenzene | | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 |
| p-Isopropyltoluene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <5 | <250 | <500 | <500 | <0.5 | <250 | <250 | <50 | <50 | <200 | <500 | <500 | <500 | <500 | <500 | <500 | <50 | <500 | <5 | <50 | <50 |
| Naphthalene | | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 |
| n-Propylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Toluene | 150 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| 1,2,4-Trimethylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| 1,3,5-Trimethylbenzene | | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Xylenes, total | 1750 | <2 | <100 | <200 | <200 | <0.5 | <100 | <100 | <20 | <20 | <300 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | 20.0 | <50 | <100 | <100 | 19.0 | <50 | <50 | 32.5 | 38.3 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | 17.7 | <100 | 8.1 | <10 | <10 |
| Chloroform | 80 | 4.2 | <50 | <100 | <100 | 5.7 | <50 | <50 | <30 | <30 | <200 | <300 | <300 | <300 | <300 | <300 | <300 | <30 | <300 | <3 | <30 | <30 |
| 1,1-Dichloroethane | 5 | 16.1 | <50 | <100 | <100 | 21.0 | <50 | <50 | 18.2 | 19.4 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | 3.4 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <2 | <100 | <200 | <200 | 0.78 | <100 | <100 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 |
| 1,1-Dichloroethene | 6 | 71.5 | 61.2 | <100 | <100 | 73.0 | 83.8 | 72.4 | 72.6 | 62.4 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | 23.9 | <100 | 12.2 | 10.6 | <10 |
| cis-1,2-Dichloroethene | 6 | 103.0 | 70.2 | <100 | <100 | 100.0 | 155.0 | 145.0 | 99.5 | 94.0 | <200 | <100 | <100 | <100 | 108.4 | <100 | <100 | 29.9 | <100 | 27.9 | 28.3 | 43.1 |
| trans-1,2-Dichloroethene | 10 | 1.1 | <50 | <100 | <100 | 1.9 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | 1.2 | <10 | <10 |
| Methylene Chloride | 5 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <300 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <2 | <100 | <200 | <200 | 4.7 | <100 | <100 | <20 | <20 | <200 | <200 | <200 | <200 | <200 | <200 | <200 | <20 | <200 | <2 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Tetrachloroethene | 5 | 3150 | 2,570 | 2,790 | 2,340 | 2,400 | 3,440 | 3,140 | 2,451 | 3,189 | 2,900 | 3,067 | 2,242 | 2,082 | 2,475 | 2,218 | 1,599 | 1,099 | 331.5 | 679.0 | 879.0 | 1,460 |
| 1,1,1-Trichloroethane | 200 | <1 | <50 | <100 | <100 | 3.7 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <1 | <50 | <100 | <100 | 3.8 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Trichloroethene | 5 | 885.0 | 1,020 | 1,040 | 863.0 | 860.0 | 1,090 | 1,180 | 1,181 | 1,164 | 1,500 | 1,347 | 1,043 | 1,097 | 1,168 | 1,181 | 877.7 | 539.9 | 210.3 | 337.0 | 391.0 | 501.0 |
| Freon-113 | 1200 | <1 | <50 | <100 | <100 | <0.5 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Freon-123A | | <1 | <50 | <100 | <100 | | <50 | <50 | <10 | <10 | | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Vinyl Chloride | 0.5 | <1 | <50 | <100 | <100 | 0.97 | <50 | <50 | <10 | <10 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <1 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 4,251 | 3,721 | 3,830 | 3,203 | 3,495 | 4,769 | 4,537 | 3,854 | 4,567 | 4,400 | 4,414 | 3,286 | 3,179 | 3,751 | 3,399 | 2,476 | 1,710 | 542 | 1,069 | 1,309 | 2,004 |
| Total Concentration of VOCs | | 4,251 | 3,721 | 3,830 | 3,203 | 3,495 | 4,769 | 4,537 | 3,854 | 4,567 | 4,400 | 4,414 | 3,286 | 3,179 | 3,751 | 3,399 | 2,476 | 1,710 | 542 | 1,069 | 1,309 | 2,004 |

# 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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-03 | Mar-04 | May-04* | Aug-04 | Nov-04 | Mar-05 | May-05* | Sep-05 | 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 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 1.3 | <1 |
| n-Butylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| sec-Butylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| ter-Butylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| Ethylbenzene | 300 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 | <2 | <2 | | <20 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 |
| p-Isopropyltoluene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <250 | <50 | <5 | <50 | <5 | <50 | <0.5 | <250 | <5 | <5 | | <50 | <5 | <5 | <5 | | <5 | | <5 | <5 | <5 |
| Naphthalene | | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 | <2 | <2 | | <20 | <2 | <2 | <2 | | <2 | | <2 | <2 | <2 |
| n-Propylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| Toluene | 150 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 1.2 | <1 |
| 1,2,4-Trimethylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| Xylenes, total | 1750 | <100 | <20 | <10 | <20 | <2 | <20 | <1 | <100 | <2 | <2 | <1 | <20 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | 2.5 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <2 |
| Carbon Tetrachloride | 0.5 | <50 | <10 | <5 | <10 | 7.6 | 21.9 | 8.5 | <50 | 3.1 | 3.5 | 2.7 | <10 | 2.3 | 1.7 | 1.4 | 1.5 | 1.5 | 1 | 1.6 | 1.6 | 1.5 |
| Chloroform | 80 | <150 | <30 | <5 | <30 | <3 | <30 | 1.4 | <150 | <3 | <3 | <0.5 | <30 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <50 | <10 | <5 | <10 | 3.0 | <10 | 2.7 | <50 | 1.3 | 1.7 | 1.2 | <10 | 1.2 | 1.2 | <1 | 1.0 | <1 | 1.3 | 1.5 | 1.5 | 1.0 |
| 1,2-Dichloroethane | 0.5 | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <50 | <10 | 9.8 | <10 | 10.7 | <10 | 11.0 | <50 | 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 |
| cis-1,2-Dichloroethene | 6 | <50 | 24.5 | 22.0 | 25.4 | 27.5 | 42.2 | 20.0 | <50 | 14.7 | 13.9 | 11.0 | <10 | 8.4 | 9.7 | 8.2 | 8.8 | 5.9 | 7.9 | 8.1 | 7.5 | 4.5 |
| trans-1,2-Dichloroethene | 10 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <50 | <10 | 45.0 | <10 | <1 | <10 | <1 | <50 | <1 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <100 | <20 | <5 | <20 | <2 | <20 | <0.5 | <100 | <2 | <2 | <0.5 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <50 | <10 | <5 | <10 | <1 | <10 | 1.2 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 844.0 | 722.0 | 510.0 | 628.0 | 691.0 | 1,230 | 470.0 | 307.0 | 358.0 | 278.0 | 260.0 | 166 | 159.0 | 196.0 | 167.0 | 150.0 | 117.0 | 110.0 | 143.0 | 137.0 | 85.9 |
| 1,1,1-Trichloroethane | 200 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | 311.0 | 312.0 | 230.0 | 281.0 | 353.0 | 568.0 | 230.0 | 132.0 | 178.0 | 146.0 | 110.0 | 84.7 | 76.2 | 89.9 | 76.4 | 82.0 | 52.8 | 60.0 | 68.8 | 66.7 | 42.6 |
| Freon-113 | 1200 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-123A | | <50 | <10 | | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <50 | <10 | <5 | <10 | <1 | <10 | <0.5 | <50 | <1 | <1 | <0.5 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1,155 | 1,059 | 817 | 934 | 1,093 | 1,862 | 745 | 439 | 561.6 | 449.2 | 390.00 | 250.7 | 250.9 | 302.8 | 256.2 | 247.0 | 180.7 | 184.4 | 227.3 | 219.3 | 139.0 |
| Total Concentration of VOCs | | 1,155 | 1,059 | 817 | 934 | 1,093 | 1,862 | 745 | 439 | 561.6 | 449.2 | 390 | 250.7 | 250.9 | 302.8 | 256.2 | 247.0 | 180.7 | 184.4 | 227.3 | 221.8 | 139.0 |

# 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 | 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 | 607.0 | <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 | 107.0 | <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 | 587.0 | 199.0 | 161.0 | 94.0 | 116.2 | <10 | 7.3 | 25.2 | 19.6 | 34.1 | 47.6 | 27.3 | 47.0 | 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 | 377.0 | 446.0 | 12,500 | 3,220 | 826.0 | 690.0 | 949.2 | 103.0 | 79.0 | 209.4 | 278.4 | 282.6 | 161.3 | 179.4 | 28.0 | 3.3 | 52.3 | 1,260 | 1,490 | 140.0 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <10 | 237.0 | <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 | 861.0 | 890.0 | 19,200 | 3,360 | 449.0 | 764.0 | 1,185.1 | 55.0 | 60.0 | 209.8 | 289.6 | 466.8 | 102.5 | 106.2 | 37.0 | 8.3 | 48.3 | 221.0 | 248.0 | 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 | 75.0 | <1 | <1 | <1 | <10 |
| Total Halogenated Hydrocarbons | | 1,315 | 1,415.6 | 33,125 | 7,016 | 1,436 | 1,548 | 2,251 | 158 | 146 | 444 | 588 | 784 | 311 | 313 | 112 | 99.4 | 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 | 99.4 | 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) | | | | | | | | | | | | | | | | | | SB58-97-2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-03 | Dec-03* | May-04* |
| **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 | <0.5 | <0.5 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <0.5 | <0.5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <1 |
| 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 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| 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 | 1.3 | 0.74 |
| 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 | <0.5 | <0.5 |
| 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 | <0.5 | 0.84 |
| cis-1,2-Dichloroethene | 6 | 11.4 | 10.0 | 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 | 26.7 | 30.0 | 76.0 |
| 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 | <0.5 | 1.2 |
| 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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 34.5 | 49.0 | 23.5 | <1 | 33.2 | 17.0 | 12.5 | 28.0 | 12.0 | 12.3 | 30.7 | 9.9 | 8.5 | 9.2 | 4.7 | 5.3 | 3.6 | 5.2 | <1 | 1.1# | 0.62 |
| 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 | <0.5 | <0.5 |
| 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 | <0.5 | <0.5 |
| Trichloroethene | 5 | 12.9 | 11.0 | 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 | 13.4 | 8.9 | 8.1 |
| 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 | <0.5 | <0.5 |
| Freon-123A | | <1 | | <1 | <1 | <1 | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <0.5 | |
| 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 | <0.5 | 6.3 |
| Total Halogenated Hydrocarbons | | 58.8 | 70.0 | 64.3 | 22.3 | 52.7 | 22.5 | 19.7 | 41.2 | 18.6 | 16.7 | 38.7 | 11.3 | 10.4 | 12.7 | 7.0 | 5.3 | 3.6 | 6.4 | 40.1 | 41.3 | 93.8 |
| Total Concentration of VOCs | | 58.8 | 70.0 | 64.3 | 22.3 | 52.7 | 22.5 | 19.7 | 41.2 | 18.6 | 16.7 | 38.7 | 11.3 | 10.4 | 12.7 | 7.0 | 5.3 | 3.6 | 6.4 | 40.1 | 41.3 | 93.8 |

# 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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-04 | Sep-05 | Dec-05 | Jan-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 | Jul-07 | Aug-07 | Sep-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <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 | <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 | <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 | <1 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <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 | <0.5 | <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 | 0.56 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 60.7 | 61.3 | 91.1 | 39.0 | 18.3 | 17.3 | 22.8 | 38.2 | 43.7 | 29.7 | 53.8 | 59.0 | 21.5 | 19.8 | 26.0 | 40.8 | 28.6 | 32.5 | 27.9 | 32.9 | 26.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 | <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 | <2 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 2.1 | 1.6 | 1.1 | 1.3 | 1.6 | <1 | <1 | <1 | 2.8 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 4.2 | 4.2 | 5.3 | 4.7 | 3.1 | 3.2 | 3.2 | 3.9 | 4.3 | 3.9 | 3.4 | 6.3 | 3.1 | 3.0 | 2.4 | 4.3 | 2.0 | 1.8 | 1.9 | 2.7 | 1.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 2.8 | 2.9 | 5.6 | 1.8 | <1 | <1 | 2.0 | 3.6 | 2.9 | 1.6 | 4.2 | 4.0 | 1.1 | <1 | 1.3 | 2.3 | 1.5 | 1.9 | 1.4 | 1.9 | 1.7 |
| Total Halogenated Hydrocarbons | | 67.7 | 68.4 | 103.2 | 47.6 | 23.0 | 21.6 | 29.3 | 47.3 | 50.9 | 35.2 | 61.4 | 73.7 | 25.7 | 22.8 | 29.70 | 47.4 | 32.1 | 36.2 | 31.2 | 37.5 | 30.2 |
| Total Concentration of VOCs | | 67.7 | 68.4 | 103.2 | 47.6 | 23.0 | 21.6 | 29.3 | 47.3 | 50.9 | 35.2 | 61.4 | 73.7 | 25.7 | 22.8 | 29.7 | 47.4 | 32.1 | 36.2 | 31.2 | 37.5 | 30.2 |

# Table 6-2 (Cont'd)
## Old Town Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB58-98-1 | | | | | | | | | | | | | | SB58-98-6 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | May-98 | Dec-98 | Mar-99 | Jun-99 | Oct-99 | Nov-99 | Mar-00 |
| **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 | <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 | <0.5 | <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 | 1.3 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | 35.4 | 2.2 | <5 | <5 | <5 | <5 | 63.8# | <5 | <0.5 | <5 | <5 | <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 |
| 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 | 2.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <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 | <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 | 5.0 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | 44.2 | 2.2 | | | | | 63.8 | | | | | | | | | | | | 1.3 | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 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 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | <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 | <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 | <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 | 11.4 | 2.5 | 2.5 | 3.9 | 1.2 | 1.3 | 2.8 |
| 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 |
| 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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <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 | 1.0 | 1.9 |
| 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <2 | <2 | <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 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 140.4 | 21.7 | 21.6 | 23.2 | 28.9 | 24.1 | 9.1 | 18.2 | 11.96 | 37.3 | 15.9 | 5.5 | 7.57 | 1.8 | 12.8 | 2.5 | 2.5 | 3.9 | 1.2 | 2.3 | 4.7 |
| Total Concentration of VOCs | | 184.6 | 23.9 | 21.6 | 23.2 | 28.9 | 24.1 | 72.9 | 18.2 | 12.0 | 37.3 | 15.9 | 5.5 | 7.57 | 1.8 | 12.8 | 2.5 | 2.5 | 3.9 | 2.5 | 2.3 | 4.7 |

# 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 | SB58-98-6 (Cont'd) | | | | | | | | | | | | | | SB58-98-7 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jun-00 | Dec-00 | Apr-01 | Oct-01 | Dec-01 | Mar-02 | May-02 | Sep-04 | Sep-05 | Mar-06* | May-06 | Sep-06 | Mar-07 | Sept-07* | Jun-98 | Oct-99 | Apr-00 | Sep-00 | May-01 | Oct-01 | Mar-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <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 | <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 | <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 | <5 | <5 | 11.6 | <5 | 18.8 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | <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 | <1 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 11.6 | | 18.8 | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <1 | <1 | <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 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.3 | 1.3 | 2.4 | <1 | <1 | 1.1 | <1 | <1 | <1 | 0.66 | <1 | <1 | <1 | 0.56 | 2.8 | <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 | <0.5 | <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 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <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 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2.6 | 3.3 | 11.2 | 1.9 | 1.7 | 2.9 | <1 | <1 | <1 | 1.2 | 1.2 | <1 | 1.1 | 1.9 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 1.3 | 1.2 | 1.5 | 1.2 | <1 | 1.1 | <1 | <1 | <1 | 0.58 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 7.2 | 5.8 | 15.1 | 3.1 | 1.7 | 5.1 | | | | 2.44 | 1.2 | | 1.1 | 3.7 | 2.8 | | | | | | |
| Total Concentration of VOCs | | 7.2 | 5.8 | 26.7 | 3.1 | 20.5 | 5.1 | | | | 2.4 | 1.2 | | 1.1 | 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)

| Constituent | MCL | SB58-98-7 (Cont'd) | | | | | | SB58-02-1 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-02* | Sep-03 | Sep-04 | Sep-05 | Sep-06 | Sept-07* | Jun-02 | Sep-02 | Nov-02 | Mar-03 | May-03 | Sep-03 | Dec-03* | Mar-04 | May-04* | Aug-04 | Nov-04 | Mar-05 | May-05* | Sep-05 | Mar-06* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| Methyl tert-Butyl Ether | 13 | <0.5 | <5 | <5 | <5 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | |
| Naphthalene | | <0.5 | <1 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.0 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.57 | <1 | 0.58 | <1 | <1 | <1 | <0.5 | <1 | 0.61 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | 1.6 | <3 | 1.5 | <3 | <3 | <3 | 1.3 | <3 | 1.6 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | 25.5 | 36.6 | 44.6 | 29.8 | 34.3 | 40.1 | 27.0 | 27.6 | 25.0 | 27.8 | 30.8 | 20.9 | 20.0 | 31.9 | 24.0 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | 0.60 | <2 | 0.52 | <2 | <2 | <2 | 0.56 | <2 | 0.63 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | 53.9 | 133.6 | 127.2 | 97.8 | 105.0 | 139.0 | 85.0 | 104.0 | 93.0 | 110.0 | 119.0 | 75.0 | 82.0 | 125.0 | 110.0 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <1 | <1 | 1.8 | 2.1 | 1.6 | 8.6 | 14.4 | 14.9 | 13.3 | 15.9 | 20.1 | 14.0 | 13.2 | 16.0 | 16.4 | 18.8 | 15.0 | 13.0 | 18.9 | 18.0 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 0.70 | <1 | 0.77 | <1 | <1 | <1 | 0.57 | <1 | 1.0 |
| 1,2-Dichloropropane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <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 | | <0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Tetrachloroethene | 5 | <0.5 | 3.8 | <1 | <1 | <1 | <0.5 | 30.7 | 150.2 | 152.9 | 89.0 | 163.0 | 192.0 | 130.0 | 127.0 | 100.0 | 122.0 | 138.0 | 116.0 | 100.0 | 156.0 | 160.0 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | 1.4 | <1 | <1 | <1 | 1.1 | <1 | 1.1 | <1 | 1.5 | 1.5 | 1.3 | 2.8 | 2.8 | 1.6 | 2.1 |
| 1,1,2-Trichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | 1.3 | 2.1 | 1.6 | <1 | <1 | 2.7 | 1.8 | <1 | 1.9 | <1 | 1.8 | <1 | 1.6 | 1.8 | 1.8 |
| Trichloroethene | 5 | <0.5 | 10.0 | <1 | <1 | <1 | <0.5 | 44.6 | 144.2 | 110.9 | 92.9 | 132.0 | 171.0 | 110.0 | 107.0 | 86.0 | 105.0 | 123.0 | 102.0 | 95.0 | 140.0 | 120.0 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 |
| Freon-123A | | | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <0.5 | <1 | |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | 2.5 | <1 | <1 | <1 | 1.4 | <1 | 1.4 | <1 | 1.6 | <1 | <1 | <1 | 1.4 | <1 | 1.7 |
| Total Halogenated Hydrocarbons | | | 13.8 | | 1.8 | 2.1 | 1.6 | 169 | 481 | 452 | 324 | 453 | 565 | 374 | 379 | 328 | 383 | 433 | 332 | 318 | 475 | 441.44 |
| Total Concentration of VOCs | | | 13.8 | | 1.8 | 2.1 | 1.6 | 169 | 481 | 452 | 324 | 453 | 565 | 374 | 379 | 328 | 383 | 433 | 332 | 318 | 475 | 441.4 |

# 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 | SB58-02-1(Cont'd) | | | SB58-02-2 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep-06 | Mar-07* | Sept-07* | Jun-02 | Sep-02 | Nov-02 | Mar-03 | May-03 | 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* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| n-Butylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| sec-Butylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| ter-Butylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| Ethylbenzene | 300 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Isopropylbenzene | | <20 | | | <200 | <20 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | | <20 | | |
| p-Isopropyltoluene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| Methyl tert-Butyl Ether | 13 | <50 | | | <500 | <50 | <50 | <5 | <5 | <5 | <0.5 | <5 | <0.5 | <5 | <5 | <5 | <0.5 | <5 | | <50 | | |
| Naphthalene | | <20 | | | <200 | <20 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | | <20 | | |
| n-Propylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| Toluene | 150 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| 1,2,4-Trimethylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| 1,3,5-Trimethylbenzene | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| Xylenes, total | 1750 | <20 | <1 | <1 | <200 | <20 | <20 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <2 | <1 | <2 | <1 | <20 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Chloroform | 80 | <30 | 1.4 | 1.2 | <300 | <30 | <30 | <3 | <3 | <3 | 0.96 | <3 | 1.0 | <3 | <3 | <3 | 0.96 | <3 | 1.0 | <30 | 0.83 | 0.87 |
| 1,1-Dichloroethane | 5 | 21.8 | 24.0 | 20 | <100 | 19.2 | 18.5 | 19.8 | 15.7 | 18.4 | 17.0 | 16.2 | 16.0 | 16.7 | 16.1 | 13.5 | 15.0 | 14.6 | 16.0 | 13.1 | 15.0 | 13 |
| 1,2-Dichloroethane | 0.5 | <20 | <0.5 | <0.5 | <200 | <20 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <20 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | 85.0 | 100 | 75 | <100 | 29.5 | 21.0 | 29.2 | 22.6 | 30.4 | 31.0 | 26.6 | 27.0 | 31.4 | 27.7 | 25.8 | 39.0 | 28.0 | 31.0 | 33.1 | 29.0 | 26 |
| cis-1,2-Dichloroethene | 6 | <10 | 18 | 18 | <100 | 21.6 | 16.5 | 24.3 | 16.5 | 20.3 | 16.0 | 15.2 | 17.0 | 17.1 | 17.6 | 15.9 | 13.0 | 15.0 | 16.0 | <10 | 16.0 | 16 |
| trans-1,2-Dichloroethene | 10 | <10 | 0.95 | 0.78 | <100 | <10 | <10 | <1 | <1 | <1 | 0.50 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | 0.71 | <10 | <0.5 | <0.5 |
| 1,2-Dichloropropane | 5 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Methylene Chloride | 5 | <10 | <1 | <1 | <100 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <0.5 | <0.5 | <200 | <20 | <20 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <20 | <0.5 | <0.5 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | 97.9 | 110.0 | 100 | 690.9 | 555.5 | 300.4 | 230.0 | 184.0 | 212.0 | 120.0 | 111.0 | 89.0 | 105.0 | 104.0 | 91.6 | 88.0 | 87.2 | 100.0 | 82.1 | 74.0 | 69 |
| 1,1,1-Trichloroethane | 200 | <10 | 1.4 | 1.5 | <100 | <10 | <10 | <1 | <1 | <1 | 1.1 | <1 | 0.71 | <1 | <1 | <1 | 2.0 | 1.0 | 1.3 | <10 | 0.76 | 0.63 |
| 1,1,2-Trichloroethane | 5 | <10 | 1.4 | 1.5 | <100 | <10 | <10 | <1 | <1 | <1 | 0.88 | <1 | 1.0 | <1 | <1 | <1 | 0.91 | <1 | 0.85 | <10 | 0.68 | 0.78 |
| Trichloroethene | 5 | 102.0 | 100 | 92 | 363.9 | 287.8 | 184.8 | 151.0 | 110.0 | 129.0 | 97.0 | 85.0 | 97.0 | 86.4 | 88.0 | 84.1 | 71.0 | 80.6 | 86.0 | 65.1 | 70.0 | 71 |
| Freon-113 | 1200 | <10 | <0.5 | <0.5 | <100 | <10 | <10 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Freon-123A | | <10 | | | <100 | <10 | <10 | <1 | <1 | <1 | | <1 | | <1 | <1 | <1 | <0.5 | <1 | | <10 | | |
| Vinyl Chloride | 0.5 | <10 | 1.1 | 1.1 | <100 | <10 | <10 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <1 | <1 | <1 | 1.1 | <1 | <0.5 | <10 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | 306.7 | 358.25 | 311.08 | 6559.0 | 914 | 541.2 | 454 | 349 | 410 | 285.44 | 254 | 248.71 | 257 | 253 | 231 | 230.97 | 226 | 252.86 | 193.4 | 206.27 | 197.28 |
| Total Concentration of VOCs | | 306.7 | 358.3 | 311.1 | 6,559 | 914 | 541 | 454 | 349 | 410 | 285 | 254 | 249 | 257 | 253 | 231 | 231 | 226 | 252.9 | 193.4 | 206.3 | 197.3 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories

(D) = Duplicate sample
˚ indicates that the sample was predevelopment.

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

# Table 6-3
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW7-96-1 | | | | | | | | | | | | EW7-96-2 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 3.6 | 6.9 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloromethane | | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 4.3 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 708.0 | 1940.0 | 1,470.0 | 580.0 | 607.0 | 539.0 | 716.0 | 528.0 | 302.0 | 17.0 | 406.0 | 463.0 | 27.6 | 56.7 | 30.4 | 21.2 | 21.1 | 18.1 | 42.3 | 12.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 23.3 | 55.6 | 48.1 | 18.2 | 20.4 | 19.0 | 20.4 | 17.5 | <10 | <1 | <10 | 15.8 | 6.9 | 20.7 | 7.1 | 5.7 | 6.5 | 5.9 | 11.8 | <1 |
| Freon-113 | 1200 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 734.9 | 2,006.8 | 1,518.1 | 598.2 | 627.4 | 558.0 | 736.4 | 545.5 | 302.0 | 17.0 | 406.0 | 478.8 | 34.5 | 77.4 | 37.5 | 26.9 | 27.6 | 24.0 | 54.1 | 12.1 |
| Total Concentration of VOCs | | 734.9 | 2,007 | 1,518 | 598.2 | 627.4 | 558.0 | 736.4 | 545.5 | 302.0 | 17.0 | 406.0 | 478.8 | 34.5 | 77.4 | 37.5 | 26.9 | 27.6 | 24.0 | 54.1 | 12.1 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW7-96-2 (Cont'd) | | | | EW7-96-4R | | | | | | | | | | | | EW7-03-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jun-07 | Jul-07 | Aug-07 | Sep-07 | 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-06 | Oct-06 | Nov-06 | Dec-06 | Jan-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| 1,4-Dichlorobenzene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <50 | <50 | <50 | <25 | <25 | <25 | <25 | <25 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Bromoform | 80 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | 1.7 | 6.8 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | 25.3 | 7.4 | <5 | <5 | <5 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <100 | <100 | <100 | <50 | <50 | <50 | <50 | <50 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <30 | <30 | <30 | <15 | <15 | <15 | <15 | <15 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | 1.3 | <10 | <10 | <10 | <10 | <10 | <10 | 5.0 | 25.3 | <10 | <10 | 20.6 | <5 | <5 | <5 | <5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <20 | <20 | <20 | <10 | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Tetrachloroethene | 5 | 20.9 | 18.4 | 32.3 | 21.8 | 201.0 | 774.0 | 678.0 | 143.0 | 133.0 | 148.0 | 131.0 | 347.0 | 27.3 | 302.0 | 238.0 | 120.0 | 1610.0 | 126.0 | 100.0 | 33.1 | 64.0 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Trichloroethene | 5 | 6.7 | 6.2 | 11.8 | 8.6 | 16.3 | 67.8 | 44.5 | 12.7 | 14.8 | 14.9 | <10 | 99.3 | 1.8 | 20.6 | <10 | <10 | 530.0 | 109.0 | 29.9 | 22.5 | 43.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <10 | <10 | <10 | <5 | <5 | <5 | <5 | <5 |
| Total Halogenated Hydrocarbons | | 27.6 | 24.6 | 44.1 | 30.4 | 219.0 | 849.9 | 722.5 | 155.7 | 147.8 | 162.9 | 131.0 | 446.3 | 34.1 | 347.9 | 238.0 | 120.0 | 2,185.9 | 242.4 | 129.9 | 55.6 | 107.9 |
| Total Concentration of VOCs | | 27.6 | 24.6 | 44.1 | 30.4 | 219.0 | 849.9 | 722.5 | 155.7 | 147.8 | 162.9 | 131.0 | 446.3 | 34.1 | 347.9 | 238.0 | 120.0 | 2,186 | 242.4 | 129.9 | 55.6 | 107.9 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW7-03-1 (Cont'd) | | | | | | | | EW7-03-2 | | | | | | | | | | | EW7-03-3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Nov-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Oct-06 | Nov-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| n-Butylbenzene | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| sec-Butylbenzene | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| ter-Butylbenzene | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| 1,4-Dichlorobenzene | 5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Ethylbenzene | 300 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Isopropylbenzene | | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| p-Isopropyltoluene | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Methyl tert-Butyl Ether | 13 | <25 | <25 | <25 | <5 | <5 | <25 | <25 | <25 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <50 | <50 |
| Naphthalene | | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| n-Propylbenzene | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Toluene | 150 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Xylenes, total | 1750 | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Bromoform | 80 | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| Carbon Tetrachloride | 0.5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | 7.0 | 12.4 | 12.9 | 8.6 | 12.7 | 12.9 | 11.5 | 14.6 | 12.7 | 8.0 | <1 | 24.5 | 36.4 |
| Chloromethane | | <50 | <50 | <50 | <10 | <10 | <50 | <50 | <50 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <100 | <100 |
| Chloroform | 80 | <15 | <15 | <15 | <3 | <3 | <15 | <15 | <15 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <30 | <30 |
| 1,1-Dichloroethane | 5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| 1,2-Dichloroethane | 0.5 | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| 1,1-Dichloroethene | 6 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| cis-1,2-Dichloroethene | 6 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | 2.0 | 2.1 | 1.2 | 1.4 | 1.2 | 1.1 | 1.2 | 1.2 | <1 | <1 | 23.9 | 20.1 |
| trans-1,2-Dichloroethene | 10 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| 1,2-Dichloropropane | 5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Methylene Chloride | 5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| 1,1,1,2-Tetrachloroethane | | <10 | <10 | <10 | <2 | <2 | <10 | <10 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <20 | <20 |
| 1,1,2,2-Tetrachloroethane | 1 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Tetrachloroethene | 5 | 57.8 | 64.7 | 59.3 | 9.7 | 8.8 | 41.4 | 68.2 | 63.2 | 248.0 | 448.0 | 440 | 308 | 452 | 457 | 464 | 490 | 417 | 293 | 6.8 | 1,580.0 | 2000 |
| 1,1,1-Trichloroethane | 200 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| 1,1,2-Trichloroethane | 5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Trichloroethene | 5 | 26.4 | 33 | 25.3 | 3.9 | 5.6 | 15.5 | 23.9 | 20.8 | 127.0 | 241.0 | 237 | 111 | 189 | 169 | 182 | 181 | 156 | 81.6 | <1 | 558.0 | 641 |
| Freon-113 | 1200 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Freon-123A | | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Vinyl Chloride | 0.5 | <5 | <5 | <5 | <1 | <1 | <5 | <5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <10 |
| Total Halogenated Hydrocarbons | | 84.2 | 97.7 | 84.6 | 13.6 | 14.4 | 56.9 | 92.1 | 84.0 | 382.0 | 703.4 | 692.0 | 428.8 | 655.1 | 640.1 | 658.6 | 686.8 | 586.9 | 382.6 | 6.8 | 2,186.4 | 2,697.5 |
| Total Concentration of VOCs | | 84.2 | 97.7 | 84.6 | 13.6 | 14.4 | 56.9 | 92.1 | 84.0 | 382.0 | 703.4 | 692.0 | 428.8 | 655.1 | 640.1 | 658.6 | 686.8 | 586.9 | 382.6 | 6.8 | 2,186 | 2,698 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW7-03-3 (cont'd) | | | | | | | | | | EW7-06-1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | Jun-07 | Aug-07 | Sep-07 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <5 | <5 | <50 | <5 | <5 | | <5 | <5 | <5 | <5 |
| Naphthalene | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Toluene | 150 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | <1 | <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 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Bromoform | 80 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| Carbon Tetrachloride | 0.5 | 34.9 | 28.7 | 28.7 | 26.4 | 27.4 | 31.1 | 27.6 | 24.1 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloromethane | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <10 | <10 | <100 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <3 | <3 | <30 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 28.3 | 18.5 | 17.7 | 16.3 | 18.5 | 15.0 | 16.5 | 12.7 | <10 | <10 | 20.0 | 3.2 | <10 | 5.9 | 2.4 | 3.0 | 5.3 | 8.1 | <1 | 156.0 |
| trans-1,2-Dichloroethene | 10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <2 | <2 | <20 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 2010 | 1780 | 1550 | 1390 | 1490 | 1480 | 1350 | 1260 | 344 | 220 | 1660.0 | 167.0 | <10 | 563.0 | 222.0 | 350 | 299.0 | 303.0 | 38.0 | 6.2 |
| 1,1,1-Trichloroethane | 200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 652 | 504 | 535 | 424 | 511 | 491 | 460 | 408 | 124 | 63.3 | 128.0 | 15.5 | 70.4 | 35.7 | 19.8 | 8.7 | 30.9 | 38.0 | 2.9 | 9.2 |
| Freon-113 | 1200 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-123A | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <1 | <1 | <10 | <1 | <1 | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1.8 | <1 | <10 | <1 | <1 | <0.5 | 1.4 | 2.0 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 2,725.2 | 2,331.2 | 2,131.4 | 1,856.7 | 2,046.9 | 2,017.1 | 1,854.1 | 1,704.8 | 468.0 | 283.3 | 1,809.8 | 185.7 | 70.4 | 604.6 | 244.2 | 361.7 | 336.6 | 351.1 | 40.9 | 171.4 |
| Total Concentration of VOCs | | 2,725 | 2,331 | 2,131 | 1,857 | 2,047 | 2,017 | 1,854 | 1,705 | 468.0 | 283.3 | 1,810 | 185.7 | 70.4 | 604.6 | 244.2 | 361.7 | 336.6 | 351.1 | 40.9 | 171.4 |

# Table 6-3 (Cont'd)
# Old Town Area Extraction Well Sampling Results
# Volatile Organic Compounds - EPA Method 8260
## Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW7C-04-2 | | | | | | | | | | | | EW25A-02-1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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-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 | <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 | <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 |
| 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 | 2.3 | 2.0 | 2.3 | 2.2 | 1.6 | 1.5 | 1.8 | 1.9 | 1.9 | 2.4 | 1.5 | 1.9 | <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 | <10 | <10 | <10 | <10 | <10 |
| 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 | <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 | 1.2 | <1 | 1.4 | <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 |
| 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 | 16.9 | 17.9 | 15.9 | 16.8 | 12.3 | 10.9 | 12.5 | 11.7 | 12.4 | 18.5 | 10.4 | 12.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | 4.2 | 3.1 | 3.3 | 3.1 | 2.7 | 2.4 | 2.7 | 2.2 | 2.6 | 3.6 | 1.9 | 2.4 | 14.5 | 16.7 | 14.9 | 12.2 | 2.9 | 4.3 | 4.6 | 4.1 | 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 | <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 | <1 |
| Total Halogenated Hydrocarbons | | 23.4 | 23.0 | 21.5 | 22.1 | 16.6 | 14.8 | 17.0 | 15.8 | 16.9 | 24.5 | 13.8 | 16.8 | 14.5 | 17.9 | 14.9 | 13.6 | 2.9 | 4.3 | 4.6 | 4.1 | 4.0 |
| Total Concentration of VOCs | | 23.4 | 23.0 | 21.5 | 22.1 | 16.6 | 14.8 | 17.0 | 15.8 | 16.9 | 24.5 | 13.8 | 16.8 | 14.5 | 17.9 | 14.9 | 13.6 | 2.9 | 4.3 | 4.6 | 4.1 | 4.0 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW25A-02-1(Cont'd) | | | EW53-04-2 | | | | | | | | | | | | EW58-98-1[T] | | | | EW58-98-2[T] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-07 | Aug-07 | Sep-07 | Oct-06 | Nov-06 | Dec-06 | Jan-07 | Feb-07 | Mar-07 | Apr-07 | May-07 | Jun-07 | Jul-07 | Aug-07 | Sep-07 | Nov-06[T] | Jan-07 | Apr-07 | Jul-07 | Nov-06[T] | Jan-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 | <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 | <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 |
| 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 | <1 | <1 | 1.0 | 1.0 | 1.0 | 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 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | 3.2 | <3 | 3.3 | 3.6 | 3.8 | <3 | <3 | 3.2 | <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 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 1.4 | 1.3 | 1.4 | 1.1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.2 | 1.9 | 1.6 | <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 | <1 | <1 | <1 | 3.1 | 4.1 | 3.1 | 3.3 | 3.3 | 1.9 | 2.3 | 2.5 | 2.3 | 2.2 | 1.8 | 1.8 | <1 | 1.8 | 1.7 | <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 | 4.2 | 3.7 | 6.4 | 4.1 | 3.6 | 3.4 | 3.3 | 3.4 | 1.9 | 2.2 | 2.6 | 2.3 | 2.6 | 1.7 | 2.2 | <1 | 3.5 | 3.0 | 2.6 | <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 | <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 | | 4.2 | 3.7 | 6.4 | 12.8 | 10.0 | 12.2 | 12.4 | 11.7 | 3.8 | 4.5 | 8.3 | 4.6 | 4.8 | 3.5 | 4.0 | | 10.5 | 6.6 | 4.2 | | |
| Total Concentration of VOCs | | 4.2 | 3.7 | 6.4 | 12.8 | 10.0 | 12.2 | 12.4 | 11.7 | 3.8 | 4.5 | 8.3 | 4.6 | 4.8 | 3.5 | 4.0 | | 10.5 | 6.6 | 4.2 | | |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | EW58-98-2(Cont'd) | | EW58E-98-1 | | | | | | EW58E-98-2 | | | | | | EW58E-98-3 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Apr-07 | Jul-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-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 |
| 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 |
| 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 | 3.3 | 1.1 | 1.8 | 2.4 | <1 | <1 | 1.3 | <1 | <1 | 3.1 | <1 | <1 | 2.6 | 1.3 | 1.7 | 3.8 | <1 |
| Chloromethane | | <10 | <10 | <10 | <10 | <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 | <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 | 2.1 | 4.1 | 2.2 | 3.5 | 3.1 | <1 | 1.3 | 4.1 | 2.3 | 2.2 | 4.5 | 1.4 | 2.0 | 6.9 | 3.0 | 2.9 | 4.9 | 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 |
| 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 | 42.1 | 118.0 | 47.6 | 72.6 | 94.6 | 8.1 | 18.5 | 50.7 | 28.0 | 24.1 | 97.8 | 11.0 | 23.3 | 103.0 | 51.3 | 57.1 | 124.0 | 22.2 |
| 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 | <1 | <1 | 35.5 | 87.2 | 36.9 | 52.7 | 65.6 | 7.5 | 21.7 | 57.6 | 31.6 | 24.8 | 86.4 | 17.6 | 28.8 | 111.0 | 50.4 | 46.3 | 104.0 | 35.3 |
| 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 | | | | 79.7 | 212.6 | 87.8 | 130.6 | 165.7 | 15.6 | 41.5 | 113.7 | 61.9 | 51.1 | 191.8 | 30.0 | 54.1 | 223.5 | 106.0 | 108.0 | 236.7 | 60.0 |
| Total Concentration of VOCs | | | | 79.7 | 212.6 | 87.8 | 130.6 | 165.7 | 15.6 | 41.5 | 113.7 | 61.9 | 51.1 | 191.8 | 30.0 | 54.1 | 223.5 | 106.0 | 108.0 | 236.7 | 60.0 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
(concentrations in µg/L)

| | | EW58E-98-4 | | | | | | EW58E-98-5 | | | | | | EW58E-98-6 | | | | | | EW58E-98-7 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | 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 | <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 | <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 |
| 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 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | 1.0 | 2.7 | 2.0 | 1.4 | <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 | <10 | <10 | <10 | <10 | <10 |
| 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 | <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 | 2.0 | 1.9 | 1.5 | 2.1 | 2.3 | 2.5 | 9.5 | 6.1 | 5.5 | 7.2 | 8.5 | 6.9 | 10.4 | 5.8 | 5.4 | 8.5 | 8.5 | 5.6 | 16.1 | 19.2 | 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 | <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 | 9.3 | 5.3 | 4.8 | 9.9 | 10.5 | 5.6 | 72.9 | 38.0 | 38.8 | 64.2 | 67.8 | 52.3 | 33.2 | 14.3 | 14.1 | 21.2 | 21.2 | 17.4 | 25.4 | 26.1 | 11.9 |
| 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 |
| 1,1,2-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 | 22.7 | 13.4 | 18.5 | 25.3 | 35.9 | 25.2 | 109.0 | 58.7 | 55.3 | 82.3 | 97.1 | 79.4 | 74.9 | 33.4 | 26.4 | 35.7 | 40.3 | 37.1 | 45.8 | 40.8 | 17.9 |
| 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 | <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 | | 34.0 | 20.6 | 24.8 | 37.3 | 48.7 | 33.3 | 193.1 | 102.8 | 100.6 | 156.4 | 175.4 | 140.0 | 118.5 | 53.5 | 45.9 | 65.4 | 70.0 | 60.1 | 87.3 | 86.1 | 35.4 |
| Total Concentration of VOCs | | 34.0 | 20.6 | 24.8 | 37.3 | 48.7 | 33.3 | 193.1 | 102.8 | 100.6 | 156.4 | 175.4 | 140.0 | 118.5 | 53.5 | 45.9 | 65.4 | 70.0 | 60.1 | 87.3 | 86.1 | 35.4 |

# Table 6-3 (Cont'd)
## Old Town Area Extraction Well Sampling Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| Constituent | MCL | EW58E-98-7 (Cont'd) | | | EW58E-98-8 | | | | | | EW58-02-1 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | May-07 | Jul-07 | Sep-07 | Nov-06 | Jan-07 | Mar-07 | May-07 | Jul-07 | Sep-07 | 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 | <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 | <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 | <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 | <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 | <0.5 | <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 | <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 | <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 | <2 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | 1.1 | <1 | 3.1 | 7.8 | 1.0 | 4.9 | <1 | 3.8 | 3.9 | 2.3 | 3.1 | 2.9 | <1 | 1.9 |
| Chloromethane | | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <0.5 | <10 | <10 | <10 | <10 | <10 | <10 |
| Chloroform | 80 | <3 | <3 | <3 | <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 | <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 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | 3.8 | <1 | 2.7 | <1 | 2.5 | 1.9 | 1.6 | 1.7 | 1.8 | 1.8 | 2.1 |
| cis-1,2-Dichloroethene | 6 | 7.1 | 4.9 | 2.9 | 35.8 | 15.6 | 7.6 | 12.1 | 11.9 | 4.6 | 11.9 | 16.6 | 6.8 | 14.6 | 2.7 | 13.0 | 10.5 | 7.2 | 10.1 | 11.5 | 5.6 | 6.8 |
| 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 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | 0.5 | <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 | <1 | <1 |
| Tetrachloroethene | 5 | 12.9 | 8.5 | 6.0 | 86.3 | 30.5 | 41.1 | 44.8 | 52.9 | 18.0 | 243 | 442 | 69.4 | 269 | 42.1 | 240 | 226 | 147.0 | 187.0 | 198 | 61.4 | 121.0 |
| 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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 19.3 | 16.7 | 10.5 | 159.0 | 52.6 | 37.5 | 47.1 | 54.9 | 21.0 | 69.9 | 152.0 | 28.1 | 100.0 | 18.2 | 82.0 | 73.1 | 47.6 | 63.4 | 63.4 | 26.1 | 43.8 |
| Freon-113 | 1200 | <1 | <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 | <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 | <1 |
| Total Halogenated Hydrocarbons | | 39.3 | 30.1 | 19.4 | 282.2 | 98.7 | 86.2 | 104.0 | 120.8 | 43.6 | 330.0 | 622.2 | 105.3 | 391.2 | 63.0 | 341.8 | 315.4 | 205.7 | 265.3 | 277.6 | 94.9 | 175.6 |
| Total Concentration of VOCs | | 39.3 | 30.1 | 19.4 | 282.2 | 98.7 | 86.2 | 104.0 | 120.8 | 43.6 | 330.0 | 622.2 | 105.3 | 391.2 | 63.0 | 341.8 | 315.4 | 205.7 | 265.3 | 277.6 | 94.9 | 175.6 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories

< = Less than Quantitation Limit
= Compound not included in analysis
[T]Treatment system influent samples

# Table 6-4
## Old Town Area Sampling Results from Other Locations
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | MP7-99-1BR | | | | | | MP7-99-2BR | | SSW19-63 | | SI15-102 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Jan-07 | Mar-07 | May-07 | Aug-07 | (D)* | Jul-07 | Sep-07 | Oct-06 | May-07 | Oct-06 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <20 | | <20 | <20 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | <50 | | <50 | <50 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <20 | | <20 | <20 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <20 | <1 | <20 | <20 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | 2.4 | <1 | <1 | 29.3 | 30 | 26.4 | 45.9 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <30 | 1.2 | <30 | <30 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <20 | <0.5 | <20 | <20 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <10 | 4.0 | <10 | <10 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <10 | 4.2 | <10 | <10 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| 1,2-Dichloropropane | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <10 | <1 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <20 | 0.97 | <20 | <20 | <2 | <2 | <2 |
| 1,1,2,2-Tetrachloroethane | 1 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | 117 | 68.6 | 20.5 | <1 | 663 | 380 | 1,050 | 2,050 | <1 | <1 | 15.1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.1 | 37.6 | 6.7 | <1 | 501 | 310 | 164 | 388 | <1 | <1 | 5.6 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | <10 | | <10 | <10 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <10 | <0.5 | <10 | <10 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 120.1 | 108.6 | 27.2 | | 1,193.3 | 730.37 | 1,240.4 | 2,483.9 | | | 20.7 |
| Total Concentration of VOCs | | 120.1 | 108.6 | 27.2 | | 1,193 | 730.4 | 1,240 | 2,484 | | | 20.7 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

< = Less than Quantitation Limit
= Compound not included in analysis
(D) = Duplicate sample

# 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) | | | | | | | | | | | 61-92-12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-03 | Jan-04 | May-04 | Jul-04 | Nov-04 | Feb-05 | May-05 | Jul-05 | Jan-06 | Jan-07 | Jul-07 | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Nov-94* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | 2.0 | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | . | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | 3.9 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-95* | Sep-95 | Mar-96 | Aug-96 | Mar-97 | Jun-97 | Aug-97 | Nov-97 | Feb-98 | Jun-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Aug-00 | Nov-00 |
| **Aromatic and 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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <1 | <2 | <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 |
| 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 | <2 | <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 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <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 |
| 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 | <5 | <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 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) Feb-01 | May-01 | Jul-01* | Nov-01 | Feb-02 | May-02 | Aug-02 | Oct-02 | Oct-02 | Jan-03 | Apr-03 | Jul-03* | Nov-03 | Jan-04 | May-04 | Jul-04 | Oct-04 | Feb-05 | Apr-05* | Jul-05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | 0.63 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | 1.3 | <1 | <1 | <0.5 | <1 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 3.0 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | 0.63 | | | | | 3.0 | | | | | | | | 1.3 | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | 0.63 | | | | | 3.0 | | | | | | | | 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 (well is on semi-annual sampling) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jan-06 | Jul-06 | Jan-07 | Aug-07 | 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 | May-01 | Aug-01 | Nov-01 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <1 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | 2.1 | 2.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <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 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <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 | . | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | 3.1 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <2 | <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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 26.5 | 19.6 | 23.0 | 27.8 | 20.0 | 29.4 | 20.6 | 27.1 | 20.8 | 21.0 | 25.1 | 22.7 | 18.4 | 17.7 | 21.7 | 19.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 26.5 | 19.6 | 23.0 | 27.8 | 20.0 | 29.4 | 23.8 | 27.1 | 20.8 | 21.0 | 25.1 | 22.7 | 18.4 | 22.1 | 21.7 | 19.0 |
| Total Concentration of VOCs | | | | | | 26.5 | 21.7 | 25.8 | 27.8 | 20.0 | 29.4 | 23.8 | 27.1 | 20.8 | 21.0 | 25.1 | 22.7 | 18.4 | 22.1 | 21.7 | 19.0 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 69-97-8 (Cont'd) 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 | Aug-05 | Oct-05 | Nov-05 | Dec-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 | <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 |
| 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 |
| 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 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 | <0.5 |
| Chloroform | 80 | <3 | <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 | <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 | 17.5 | 11.9 | 17.3 | 13.6 | 17.4 | 12.7 | 11.3 | 9.0 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 | 7.6 | 8.2 | 7.8 | 4.5 |
| 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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | 5.5 | 11.0 | 11.1 | <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 | <1 | <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 | <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 | | 17.5 | 11.9 | 17.3 | 19.1 | 28.4 | 23.8 | 11.3 | 9.0 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 | 7.6 | 8.2 | 7.8 | 4.5 |
| Total Concentration of VOCs | | 17.5 | 11.9 | 17.3 | 19.1 | 28.4 | 23.8 | 11.3 | 9.0 | 6.4 | 6.9 | 6.9 | 5.2 | 5.6 | 4.6 | 6.4 | 6.3 | 7.6 | 8.2 | 7.8 | 4.5 |

# 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-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 | Jun-07 | Jul-07 | Aug-07 | Sep-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and 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 | | <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 | <0.5 | <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 | 1.5 | 1.3 | <1 | 1.4 | <1 | 4.4 | <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 | <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 | <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 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 1.5 | 1.3 | | 1.4 | | 4.4 | | | |
| **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 |
| 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 | 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 | 5.9 | 3.9 | 4.5 | 7.1 |
| 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 |
| 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 | <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-113 | 1200 | <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 | | 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 | 5.9 | 3.9 | 4.5 | 7.1 |
| Total Concentration of VOCs | | 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 | 10.3 | 3.9 | 4.5 | 7.1 |

# 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 (well is on annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-93 | Nov-93 | Mar-94 | May 94* | 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 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <1 | <0.5 | <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 | <1.0 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 3.0 | 1.9 | <1 | 0.67 | <1 | 0.87 | 0.76 | 0.71 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.1 | 2.2 | 1.5 | 0.73 | <1 | 0.96 | 0.81 | 0.82 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 5.1 | 2.2 | 1.2 | 0.64 | <1 | 0.87 | 0.69 | 0.72 | 0.50 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | 1.0 | <0.5 | 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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 12.2 | 6.3 | 3.7 | 2.0 | 3.0 | 2.7 | 2.26 | 2.25 | 0.50 | | 1.2 | 2.6 | | | | 1.5 | 2.3 | | 1.4 | |
| Total Concentration of VOCs | | 12.2 | 6.3 | 3.7 | 2.0 | 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 (well is on semi-annual sampling) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Aug-00 | Jul-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Mar-97 | (D)* | Jun-97 | Aug-97 | Nov-97 | Feb-98 | May-98 | Sep-98 | Nov-98 | Feb-99 | May-99 | Sep-99 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <1 | 0.84 | 2.5 | 1.3 | 1.3 | 1.0 | 1.3 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <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 | <0.5 | <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 | 1.9 | 2.7 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.4 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | 5.0 | 12.0 | 7.3 | 8.6 | 7.3 | 9.3 | 5.8 | 5.3 | 5.6 | 4.7 | 7.0 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | 10.4 | 9.0 | 21.8 | 11.3 | 12.7 | 10.0 | 13.2 | 8.0 | 7.6 | 7.4 | 6.6 | 9.7 |
| Total Concentration of VOCs | | | | | | | | | | 10.4 | 9.0 | 21.8 | 11.3 | 12.7 | 10.0 | 13.2 | 8.0 | 7.6 | 7.4 | 6.6 | 9.7 |

# 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) 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 | Jul-05 | Jul-06 | May-07 | Aug-07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 |
| 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** | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| Chloroform | 80 | <1 | <1 | <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 | <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 | 3.0 | 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 | 2.2 | 2.2 | 2.7 | 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 |
| 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 | 1.6 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | 7.1 | 15.2 | <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 | 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 | 5.4 | 4.8 | 6.1 | 4.2 |
| Freon-113 | 1200 | <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 | <1 |
| Total Halogenated Hydrocarbons | | 9.1 | 11.9 | 7.3 | 6.2 | 6.5 | 7.9 | 6.5 | 8.5 | 5.3 | 7.2 | 6.0 | 8.5 | 15.0 | 22.7 | 6.1 | 6.9 | 7.5 | 7.6 | 7.0 | 8.8 | 6.4 |
| Total Concentration of VOCs | | 9.1 | 11.9 | 7.3 | 6.2 | 6.5 | 7.9 | 6.5 | 8.5 | 5.3 | 7.2 | 6.0 | 8.5 | 15.0 | 22.7 | 6.1 | 6.9 | 7.5 | 7.6 | 7.0 | 8.8 | 6.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 75-97-5 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-98 | (D)* | Nov-98 | Mar-99 | May-99 | Sep-99 | Nov-99 | Feb-00 | May-00 | Sep-00 | Nov-00 | Mar-01 | May-01 | Aug-01 | Dec-01 | Feb-02 | May-02 | Aug-02 | Feb-03 | Aug-03 |
| **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 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.4 | 1.8 | 1.8 | 3.5 | 2.7 | 2.2 | 2.2 | 2.2 | 2.7 | 1.7 | 2.4 | 3.2 | 2.4 | 2.1 | 2.0 | 2.3 | 1.4 | 1.5 | 1.5 | 1.4 |
| 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 | 1.5 | 2.2 | 1.9 | 2.1 | 3.5 | 2.9 | 3.0 | 3.1 | 4.0 | 2.4 | 1.9 | 3.7 | 3.8 | 3.6 | 2.6 | 4.8 | 1.9 | 3.1 | 2.6 | 2.5 |
| 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 | <1 | <1 | <1 | <1 | 1.9 | <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 |
| 1,1,2-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 | <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 | <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 | | 2.9 | 4.0 | 3.7 | 5.6 | 6.2 | 5.1 | 5.2 | 5.3 | 6.7 | 4.1 | 4.3 | 6.9 | 6.2 | 5.7 | 4.6 | 7.1 | 3.3 | 4.6 | 6.0 | 3.9 |
| Total Concentration of VOCs | | 2.9 | 4.0 | 3.7 | 5.6 | 6.2 | 5.1 | 5.2 | 5.3 | 6.7 | 4.1 | 4.3 | 6.9 | 6.2 | 5.7 | 4.6 | 7.1 | 3.3 | 4.6 | 6.0 | 3.9 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75-97-5 (Cont'd) | | | | | 75-98-14 (well is on semi-annual sampling) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Sep-07* | 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 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <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 | <1 | <2 | <1 | <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 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <0.5 | 5.4 | 4.9 | 1.3 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | 1.4 | 1.2 | <1 | 1.2 | 1.0 | <1 | 0.76 | <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 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 3.0 | 2.1 | 3.1 | <1 | 1.7 | 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 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 7.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | 1.3 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 4.4 | 3.3 | 3.1 | 1.2 | 2.7 | 9.3 | 10.86 | 5.3 | 2.1 | 2.0 | 1.7 | 1.9 | 2.1 | 4.1 | 3.7 | 4.2 | 2.5 | 2.8 | 3.7 | 10.7 |
| Total Concentration of VOCs | | 4.4 | 3.3 | 3.1 | 1.2 | 2.7 | 9.3 | 10.9 | 5.3 | 2.1 | 2.0 | 1.7 | 1.9 | 2.1 | 4.1 | 3.7 | 4.2 | 2.5 | 2.8 | 3.7 | 10.7 |

# 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 (Cont'd) | | | | | | | | 75A-00-7 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-03 | Sep-03 | Feb-04 | Aug-04 | Feb-05 | Aug-05 | Jul-06 | Aug-07 | Feb-01 | Oct-01 | Dec-02* | (D)* | Apr-03 | Aug-03* | Nov-03 | Feb-04 | May-04 | Aug-04 | Nov-04 | Feb-05 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 34.3 | 37.6 | 10.0 | 12.0 | 32.0 | 47.0 | 67.2 | 53.5 | 59.6 | 54.5 | 39.8 | 45.7 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | <0.5 | <0.5 | <1 | 1.2 | 1.5 | 1.1 | 1.3 | 1.4 | <1 | 1.1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | 35.3 | 37.6 | 10.0 | 12.0 | 32.0 | 48.2 | 68.7 | 54.6 | 60.9 | 55.9 | 39.8 | 46.8 |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <0.5 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | 1.1 | 1.6 | 1.2 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | 4.7 | 5.2 | 3.9 | 4.3 | 3.2 | 4.3 | 7.9 | 4.0 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| Tetrachloroethene | 5 | 46.3 | 13.4 | 1.3 | 1.2 | <1 | <1 | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.4 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 3.3 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 54.3 | 18.6 | 5.2 | 5.5 | 3.2 | 5.4 | 10.5 | 5.2 | | | | | | | | | | | | 1.4 |
| Total Concentration of VOCs | | 54.3 | 18.6 | 5.2 | 5.5 | 3.2 | 5.4 | 10.5 | 5.2 | 35.3 | 37.6 | 10.0 | 12.0 | 32.0 | 48.2 | 68.7 | 54.6 | 60.9 | 55.9 | 39.8 | 48.2 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | 75A-00-7 (Cont'd) | | | | MW76-1 (well is on semi-annual sampling) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | May-05 | Aug-05 | Jul-06 | Sep-07 | 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 | Dec-96* | Mar-97 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | 55.3 | 69.5 | 76.3 | 99.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.63 | 0.64 | <1 | <1 | <1 | <0.5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 | 0.64 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 | 0.74 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.2 | <0.5 | <1 | <2 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.52 | <0.5 | <1 | <1 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 | <0.5 | <1 |
| Toluene | 150 | 1.1 | 1.8 | 1.5 | 2.0 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | 0.55 | <1 | <1 | <1 | <0.5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 | <0.5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <1 | <0.5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <2 | <2 | <1 | <2 |
| Total Aromatic Hydrocarbons | | 56.4 | 71.3 | 77.8 | 101.5 | | | | | | | | | | 4.75 | 1.19 | | | | 1.38 | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.66 | <0.5 | 1.3 | 1.7 | <1 | 0.70 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <2 | <0.5 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | 1.4 | <0.5 | <1 | <1 | <1 | 0.75 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | 13.4 | 9.4 | 11.1 | 7.6 | 5.8 | 4.9 | 8.5 | 2.3 | 3.9 | 21.0 | 12.0 | 6.1 | 5.6 | 8.3 | 14.0 | 13.2 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <5 | <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 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <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 | 0.77 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <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 | 2.1 | 3.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <0.5 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <0.5 | <1 |
| Total Halogenated Hydrocarbons | | | | | | 13.4 | 14.2 | 17.1 | 12.1 | 13.3 | 8.1 | 11.5 | 9.3 | 11.8 | 33.4 | 15.2 | 12.1 | 12.8 | 9.9 | 18.3 | 16.7 |
| Total Concentration of VOCs | | 56.4 | 71.3 | 77.8 | 101.5 | 13.4 | 14.2 | 17.1 | 12.1 | 13.3 | 8.1 | 11.5 | 9.3 | 11.8 | 38.1 | 16.4 | 12.1 | 12.8 | 9.9 | 19.7 | 16.7 |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Aug-06* | Aug-07 |
| **Aromatic and 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 | <0.5 | <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 | <0.5 | <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 |
| 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 | <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 | <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 | <1 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | 1.1 | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <0.5 | <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 | 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 | 4.4 | 7.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | 0.56 | <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 | 12.4 | <1 | <1 | <1 | <1 | <1 | <1 | 4.1 | <1 | <1 | <1 | 2.7 | 4.4 | <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 | <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 | 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 | 1.3 | <1 |
| 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 |
| 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 | | 14.9 | 24.0 | 13.8 | 8.1 | 10.0 | 8.0 | 11.9 | 10.9 | 19.8 | 15.0 | 13.8 | 5.6 | 11.5 | 17.7 | 11.6 | 9.0 | 17.2 | 3.4 | 6.26 | 7.9 |
| Total Concentration of VOCs | | 14.9 | 24.0 | 13.8 | 8.1 | 10.0 | 8.0 | 11.9 | 10.9 | 19.8 | 15.0 | 14.9 | 5.6 | 11.5 | 17.7 | 11.6 | 9.0 | 17.2 | 3.4 | 6.3 | 7.9 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 76-98-21 (well is on semi-annual sampling) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-99 | (D)* | 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* | Aug-04 | Feb-05 | Aug-05 | Feb-06 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | 1.4 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 0.61 | <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 | <1 | <0.5 | <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 | <2 | <0.5 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | 1.2 | <1 | 1.2 | <1 | 2.9 | 1.8 | <1 | <1 | <1 | 1.5 | 1.1 | 1.6 | <1 | 1.7 | 1.0 | 2.1 | 1.9 | 2.2 | <1 | 1.8 | 2.9 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.0 | 1.7 | 0.89 | <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 | <0.5 | <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 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 12.5 | 11.0 | 15.0 | 13.8 | 11.4 | 21.5 | 16.4 | 13.6 | 12.7 | 14.5 | 18.1 | 12.8 | 17.7 | 18.8 | 24.1 | 13.5 | 20.0 | 19.0 | 17.4 | 10.2 | 14.5 | 17.7 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 12.5 | 12.2 | 16.4 | 15.0 | 11.4 | 24.4 | 18.2 | 13.6 | 12.7 | 14.5 | 19.6 | 13.9 | 19.3 | 18.8 | 25.8 | 17.5 | 24.41 | 21.79 | 19.6 | 10.2 | 16.3 | 20.6 |
| Total Concentration of VOCs | | 12.5 | 12.2 | 16.4 | 15.0 | 11.4 | 24.4 | 18.2 | 13.6 | 12.7 | 14.5 | 19.6 | 13.9 | 19.3 | 18.8 | 25.8 | 17.5 | 24.4 | 21.8 | 19.6 | 10.2 | 16.3 | 20.6 |

# 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 | Jul-06 | Feb-07 | Sep-07 | 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 | Aug-02 | Oct-02 | Jan-03 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 2.6 | 2.0 | 1.9 | <1 | 0.83 | <1 | <1 | <1 | 1.9 | 1.7 | 0.96 | <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 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 18.1 | 10.1 | 9.8 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 20.7 | 12.1 | 11.7 | | 0.83 | | | | 1.9 | 1.7 | 0.96 | | 1.1 | | | | | | | | |
| Total Concentration of VOCs | | 20.7 | 12.1 | 11.7 | | 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)

| | | 76-98-22 (Cont'd) | | | | | | | | | | | | | MW91-1 (well is on annual sampling) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | 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 | Nov-92 | Mar-93 | May-93 | Aug-93 | Nov-93 | Mar-94 | Aug-94 | Feb-95* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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)

| | | MW91-1 (Cont'd) | | | | | | | | | | | | | | MW91-2 (well is on semi-annual sampling) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-95 | Mar-96 | Mar-97 | Jun-97 | May-98* | May-99 | Aug-00* | Jul-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Aug-07 | Nov-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | 1.6 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <2 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <1 | <2 | <1 | <1 | <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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 10.0 | 3.7 | 6.1 | 3.2 | 5.7 | 2.6 | 3.8 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <2 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <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 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <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 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <5 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | 60.7 | 36.0 | 44.4 | 32.3 | 38.3 | 31.4 | 35.4 |
| Total Concentration of VOCs | | | | | | | | | | | | 1.6 | | | | 60.7 | 36.0 | 44.4 | 32.3 | 38.3 | 31.4 | 35.4 |

# Table 7-1 (Cont'd)
## Support Services Area Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW91-2(Cont'd) 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 | 14.0 | 14.0 | 15.7 | 11.0 | 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 | | 16.2 | 24.1 | 25.0 | 29.7 | 21.5 | 43.6 | 15.3 | 18.7 | 13.3 | 26.1 | 11.2 | 14.3 | 11.8 | 18.4 | 12.0 | 10.5 | 6.6 | 9.0 | 6.9 | 8.4 | 17.31 |
| Total Concentration of VOCs | | 16.2 | 24.1 | 25.0 | 29.7 | 21.5 | 43.6 | 15.3 | 18.7 | 13.3 | 26.1 | 11.2 | 14.3 | 11.8 | 18.4 | 12.0 | 10.5 | 6.6 | 9.0 | 6.9 | 8.4 | 17.3 |

# 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) | | | | | | | | | | | MWP-9 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-03 | (D)* | Feb-04 | Aug-04 | Jan-05 | Feb-05 | Aug-05 | Feb-06 | Jul-06 | Feb-07 | Sep-07* | Nov-92 | Mar-93 | (D) | May-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Aug-94 | Dec-94* |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| p-Isopropyltoluene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Propylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Toluene | 150 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | 1.2 | 1.1# | 1.3 | 1.2 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.83 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | 0.94# | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.72 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.6 | 0.52 | <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 | <5 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <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 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 10.9 | 11.60 | 9.3 | 7.3 | 7.1 | 5.6 | 4.0 | 6.4 | 4.0 | 7.5 | 7.37 | | | | | | | | | | |
| Total Concentration of VOCs | | 10.9 | 11.6 | 9.3 | 7.3 | 7.1 | 5.6 | 4.0 | 6.4 | 4.0 | 7.5 | 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 | MWP-9 (Cont'd) Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96# | Mar-96# | Apr-96 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic and 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 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 |
| Naphthalene | | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <0.5 | <1 | <1 | <1 | 3.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <0.5 | <0.5 | <1 | <1 | <1 | 1.5 | <1 | <1 | <1 | <1 | <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 | <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 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <1 | <1 | 2.0 | 213.0 | <1 | <1 | <1 | <1 | 18.0 | <1 | 12.9 | 4.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | 78.5 | <1 | <1 | <1 | <1 | 4.2 | <1 | 3.4 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 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 | <1 |
| Vinyl Chloride | 0.5 | <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 | | | | | | 2.0 | 296.8 | | | | | 22.2 | | 16.3 | 5.6 | | | | | | | |
| Total Concentration of VOCs | | | | | | 2.0 | 296.8 | | | | | 22.2 | | 16.3 | 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) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Nov-98 | Jan-99 | Apr-99 | Aug-99 | Jul-00 | Jul-01 | 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 |
| **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 | <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 |
| 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** | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| Chloroform | 80 | <1 | <1 | <1 | <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 | <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 | <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 |
| 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 | <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 | <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 |
| 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 | | | | | | | | | | | | 1.1 | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | 1.1 | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

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

< = Less than Quantitation Limit
= Compound not included in analysis
# indicated 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <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 |
| 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 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <0.5 | <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 |
| 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 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <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 |
| 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 |
| Chloroethane | | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <0.5 | <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 |
| 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 |
| 1,2-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 |
| 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 |
| cis-1,2-Dichloroethene | 6 | 72.0 | 99.3 | 168.8 | 91.6 | 25.7 | 13.0 | 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 |
| 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 |
| 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 | <0.5 | <2 | <2 | <0.5 | <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-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <0.5 | <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 |
| Freon-123A | | <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 | 32.0 | 38.6 | 17.2 | 30.4 | 36.4 | 34.8 | 26.0 | 43.1 | 44.1 | 34.0 | 44.8 | 37.5 | 27.4 |
| Total Halogenated Hydrocarbons | | 72.0 | 102.0 | 173.2 | 123.2 | 52.6 | 53.4 | 41.2 | 45.5 | 31.0 | 47.8 | 48.7 | 50.5 | 36.3 | 67.5 | 53.3 | 41.7 | 52.2 | 51.3 | 50.2 |
| Total Concentration of VOCs | | 72.0 | 102.0 | 173.2 | 124.4 | 52.6 | 53.4 | 42.3 | 45.5 | 31.0 | 47.8 | 48.7 | 50.5 | 36.8 | 69.3 | 53.3 | 42.4 | 52.2 | 51.3 | 50.2 |

# 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) Mar-05 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 | <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 |
| Chlorobenzene | | <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 | 0.68 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | 1.2 | 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 | | | | | | | | | 1.46 | | | | | | | 1.70 | | 1.2 | 1.1 | |
| **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 |
| 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 | 30.1 | 35.2 | 44.1 | 36.5 | 35.3 | 44.1 | 31.1 | 16.0 | 14.7 | 22.3 | 21.3 | 22.0 | 20.2 | 18.6 | 12.3 | 17.0 | 15.1 | 16.1 | 38.0 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 | <1 | <1 | <1 | 1.2 | <1 | 1.7 | <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 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| 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 |
| 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 | 22.7 | 29.9 | 21.6 | 20.6 | 20.5 | 21.1 | 28.4 | 35.0 | 51.6 | 36.4 | 32.2 | 28.8 | 20.7 | 37.3 | 41.2 | 33.3 | 32.6 | 30.9 | 22.4 |
| Total Halogenated Hydrocarbons | | 52.8 | 65.1 | 65.7 | 57.1 | 55.8 | 65.2 | 59.5 | 51.9 | 66.3 | 58.7 | 53.5 | 52.0 | 40.9 | 57.6 | 53.5 | 50.3 | 47.7 | 47.0 | 60.4 |
| Total Concentration of VOCs | | 52.8 | 65.1 | 65.7 | 57.1 | 55.8 | 65.2 | 59.5 | 53.4 | 66.3 | 58.7 | 53.5 | 52.0 | 40.9 | 57.6 | 55.2 | 50.3 | 48.9 | 48.1 | 60.4 |

# 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-06 | Apr-06 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | 1.0 | 0.91 | 1.1 | <1 | <1 | <1 | <1 | <1 | 0.92 | <1 | 1.0 | <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 | | <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 | <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 |
| 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 | <1 | 1.8 | 1.6 | 1.6 | 1.2 | 1.5 | 1.5 | 2.2 | <1 | <1 | 1.7 | 1.3 | 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 |
| Total Aromatic Hydrocarbons | | | | | 1.1 | | | 2.8 | 2.6 | 2.51 | 2.3 | 1.5 | 1.5 | 2.2 | | | 2.62 | 1.30 | 2.10 | |
| **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 |
| 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 |
| Chloroethane | | <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 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <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 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 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 |
| cis-1,2-Dichloroethene | 6 | 26.9 | 16.9 | 38.1 | 18.0 | 15.9 | 12.4 | 12.3 | 8.8 | 5.40 | 2.4 | 2.8 | 2.4 | 1.8 | <1 | 1.8 | 5.8 | 5.4 | 3.5 | 3.6 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.72 | <1 | <1 | <1 | <1 | <1 | <1 | 0.78 | <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 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Freon-123A | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | 25.3 | 40.0 | 22.0 | 34.9 | 41.0 | 39.9 | 33.0 | 28.0 | 20.0 | 11.5 | 11.7 | 5.3 | 12.5 | 1.8 | 5.2 | 14.0 | 13.0 | 11.2 | 9.1 |
| Total Halogenated Hydrocarbons | | 52.2 | 56.9 | 60.1 | 52.9 | 56.9 | 52.3 | 45.3 | 36.8 | 26.12 | 13.9 | 14.5 | 7.7 | 14.3 | 1.8 | 7.0 | 20.58 | 18.4 | 14.7 | 12.7 |
| Total Concentration of VOCs | | 52.2 | 56.9 | 60.1 | 54.0 | 56.9 | 52.3 | 48.1 | 39.4 | 28.6 | 16.2 | 16.0 | 9.2 | 16.5 | 1.8 | 7.0 | 23.2 | 19.7 | 16.8 | 12.7 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB69A-99-1 (Cont'd) | | | SB69A-00-1 | | | | | | | | | | | SB75-02-1 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-07 | Aug-07 | Sep-07* | Mar-02 | Jun-02 | Oct-02 | Aug-03 | Mar-05 | Sep-05 | Mar-06 | Sept-06* | Dec-06 | Mar-07*≈ | Aug-07 | Jul-02 | Oct-02* | Nov-02 | Feb-03 | May-03 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | 0.98 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <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 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | <1 | | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <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 | <0.5 | <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 |
| Naphthalene | | <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 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | 8.1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | 2.7 | | | | | | | | | | 8.6 | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <0.5 | <3 | 7.8 | 5.6 | 9.2 | 6.2 | 7.6 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 3.9 | 3.8 | 3.0 | 3.6 | 3.4 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | 0.65 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 3.2 | 3.2 | 2.4 | 64.1 | 51.6 | 22.4 | 27.9 | 6.6 | <1 | 9.0 | 14.00 | 8.8 | 6.0 | 1.3 | 24.2 | 35.0 | 17.9 | 44.7 | 40.3 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | 0.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.95 | 1.4 | 1.7 | 2.1 | <1 | 0.62 | <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 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | 15.2 | 16.0 | 11.2 | 12.4 | 11.3 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | 8.4 | 7.4 | 9.6 | <1 | <1 | <1 | <1 | 2.6 | <1 | 1.4 | 6.3 | 4.9 | 3.2 | 1.6 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 11.6 | 10.6 | 12.60 | 64.1 | 51.6 | 22.4 | 27.9 | 9.2 | | 10.4 | 21.25 | 15.1 | 10.90 | 5.0 | 51.1 | 61.7 | 41.3 | 66.9 | 62.6 |
| Total Concentration of VOCs | | 11.6 | 10.6 | 15.3 | 64.1 | 51.6 | 22.4 | 27.9 | 9.2 | | 10.4 | 21.3 | 15.1 | 189.5 | 5.0 | 51.1 | 61.7 | 41.3 | 66.9 | 62.6 |

# 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 | SB75-02-1 (Cont'd) Sep-03 | Dec-03* | Jan-04 | Jan-04 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| Chlorobenzene | | <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 |
| 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 |
| 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 | 7.2 | 3.9 | 6.1 | 7.2 | 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 |
| 1,1-Dichloroethane | 5 | 3.5 | 2.9 | 2.6 | 2.9 | 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 |
| 1,2-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 | 0.53 | <1 | <1 | <1 | 1.4 | 1.2 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 52.0 | 45.0 | 42.5 | 42.0 | 58.9 | 36.3 | 56.4 | 71.0 | 76.7 | 52.6 | 50.5 | 64.7 | 94.6 | 84.4 | 71.8 | 58.9 | 38.8 | 72.7 | 43.1 |
| 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 |
| Tetrachloroethene | 5 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <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 | 12.9 | 12.0 | 10.7 | 9.8 | 12.2 | 9.1 | 11.2 | 14.5 | 16.9 | 14.3 | 12.1 | 11.1 | 12.9 | 16.4 | 11.8 | 11.0 | 9.0 | 12.0 | 7.4 |
| Freon-113 | 1200 | <1 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <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 | | 75.6 | 64.33 | 61.9 | 61.9 | 81.0 | 60.3 | 79.0 | 93.5 | 101.7 | 74.2 | 74.2 | 85.0 | 114.6 | 109.4 | 94.0 | 78.5 | 58.8 | 93.9 | 59.6 |
| Total Concentration of VOCs | | 75.6 | 64.3 | 61.9 | 61.9 | 81.0 | 60.3 | 79.0 | 93.5 | 101.7 | 74.2 | 74.2 | 85.0 | 114.6 | 109.4 | 94.0 | 78.5 | 58.8 | 93.9 | 59.6 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | SB75-02-1 (Cont'd) | | | | | | | | | SB77-02-1 | | | | W76-97-3 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-05 | Nov-05 | Mar-06 | May-06 | Sept-06* | Oct-06 | Mar-07* | May-07 | Sep-07* | Oct-02 | Nov-02 | May-03 | Mar-07* | Feb-97 | Mar-98 | Aug-98 | Mar-99 | Oct-99 | Mar-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | | <1 | | <0.5 | <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 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | | <1 | | <1 | | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Chlorobenzene | | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | | <2 | | <2 | | <0.5 | <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 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <5 | | <5 | | <5 | | <0.5 | <5 | <5 | | | <5 | <5 | <5 | <5 | <5 |
| Naphthalene | | <2 | <2 | <2 | <2 | | <2 | | <2 | | <0.5 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | | <1 | | <1 | | <0.5 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <1 | <2 | <1 | <2 | <1 | <1 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroethane | | <30 | <30 | <30 | <30 | <0.5 | <30 | <0.5 | <30 | <0.5 | <0.5 | <30 | <30 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 |
| Chloroform | 80 | 7.9 | 7.7 | <3 | 5.1 | 3.8 | 5.6 | 3.1 | 5.0 | 4.0 | <0.5 | <3 | <3 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | 1.6 | 2.0 | <1 | 2.0 | 2.7 | 2.0 | 2.9 | 2.5 | 2.8 | <0.5 | <1 | <1 | <0.5 | <1 | 1.0 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <0.5 | <2 | | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | 1.4 | <1 | <1 | 0.7 | <1 | 0.7 | <1 | 0.73 | <0.5 | <1 | <1 | <0.5 | <1 | 1.1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | 34.9 | 50.7 | <1 | 64.8 | 74.0 | 50.9 | 74.0 | 65.8 | 80 | <0.5 | <1 | <1 | <0.5 | <1 | 3.2 | 1.3 | 2.3 | <1 | 2.1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | 0.85 | <1 | 0.87 | <1 | 0.84 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <2 | <0.5 | <2 | <0.5 | <2 | <0.5 | <0.5 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | 5.5 | 8.0 | <1 | 9.4 | 11.0 | 7.7 | 11.0 | 8.9 | 10 | <0.5 | <1 | <1 | <05 | 14.9 | 34.9 | 17.6 | 26.1 | 14.9 | 14.9 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-123A | | <1 | <1 | <1 | <1 | | <1 | | <1 | | <0.5 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <0.5 | <1 | <0.5 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 49.9 | 69.8 | | 81.3 | 93.05 | 66.2 | 92.57 | 82.2 | 98.37 | | | | | 14.9 | 40.2 | 18.9 | 28.4 | 14.9 | 17.0 |
| Total Concentration of VOCs | | 49.9 | 69.8 | | 81.3 | 93.1 | 66.2 | 92.6 | 82.2 | 98.4 | | | | | 14.9 | 40.2 | 18.9 | 28.4 | 14.9 | 17.0 |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | W76-97-3 (Cont'd) | | | | | | | | | W76-97-4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Mar-01 | Sep-01 | Mar-02 | Sep-02* | Sep-03 | Sep-04 | Oct-05 | Mar-06* | Mar-07* | Feb-97 | Mar-98 | Aug-98 | Mar-99 | Oct-99 | Mar-00 | Mar-01 | Sep-01 | Mar-02 | Sep-02* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| sec-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| ter-Butylbenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chlorobenzene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Isopropylbenzene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 | <5 | <0.5 | <5 | <5 | <5 | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <0.5 |
| Naphthalene | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| n-Propylbenzene | | <1 | <1 | <1 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <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 | <0.5 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <0.5 |
| 1,1-Dichloroethane | 5 | 1.6 | <1 | <1 | 0.52 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| cis-1,2-Dichloroethene | 6 | 1.5 | <1 | 1.2 | 1.2 | <1 | <1 | <1 | 1.9 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <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 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | 6.8 | <1 | <1 | <1 | 2.0 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | 24.6 | 15.4 | 30.6 | 19.0 | 20.4 | 14.2 | 17.0 | 29.0 | 11.0 | <1 | 4.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | 27.7 | 15.4 | 31.8 | 20.7 | 20.4 | 14.2 | 17.0 | 30.9 | 11.0 | | 10.8 | | | | 2.0 | | | | |
| Total Concentration of VOCs | | 27.7 | 15.4 | 31.8 | 20.7 | 20.4 | 14.2 | 17.0 | 30.9 | 11.0 | | 10.8 | | | | 2.0 | | | | |

# Table 7-2 (Cont'd)
## Support Services Area Temporary Groundwater Sampling Point Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| | | W76-97-4 (Cont'd) | | | | | W76-97-5 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Sep-03 | Sep-04 | Oct-05 | Mar-06* | Mar-07* | 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* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | | |
| sec-Butylbenzene | | <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 | <0.5 | <1 | <1 | <1 | | |
| Chlorobenzene | | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <2 | <2 | <2 | | |
| p-Isopropyltoluene | | <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 | <0.5 | <5 | <5 | <5 | | |
| Naphthalene | | <2 | <2 | <2 | | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 1.1 | <2 | <2 | <2 | | |
| n-Propylbenzene | | <1 | <1 | <1 | | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | | |
| Toluene | 150 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | 1.1 | | | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Bromodichloromethane | 80 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Chloroethane | | <30 | <30 | <30 | <0.5 | <0.5 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <30 | <0.5 | <30 | <30 | <30 | <0.5 | <0.5 |
| Chloroform | 80 | <3 | <3 | <3 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <0.5 | <0.5 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | 0.67 | 0.55 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <0.5 | <2 | <2 | <2 | <0.5 | <0.5 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Trichloroethene | 5 | <1 | <1 | <1 | <0.5 | <0.5 | <1 | <1 | 1.2 | <1 | <1 | 5.7 | <1 | <1 | <1 | 0.52 | <1 | <1 | <1 | <0.5 | <0.5 |
| Freon-113 | 1200 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <0.5 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | 0.67 | 0.55 | | 1.5 | 4.9 | 1.8 | 1.6 | 8.8 | 1.8 | 1.8 | 1.7 | 3.12 | 3.5 | 2.0 | 2.2 | 1.6 | 1.7 |
| Total Concentration of VOCs | | | | | 0.7 | 0.6 | | 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 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
≈:Total concentration include other chemicals, detail shown on Table 10.

* = Analysis by BC Laboratories
\# indicated QA/QC problems

< = Less than Quantitation Limit
= Compound not included in analysis

# Table 7-3
## Support Services Area Sampling Results from Other Locations
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(Concentrations in µg/L)**

| Constituent | MCL | SSW20-130 Oct-06 | SSW21-130 Oct-06 |
|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | |
| Benzene | 1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 |
| Chlorobenzene | | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 |
| Methyl tert-Butyl Ether | 13 | <5 | <5 |
| Naphthalene | | <2 | <2 |
| n-Propylbenzene | | <1 | <1 |
| Toluene | 150 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | |
| **Halogenated Non-Aromatic Hydrocarbons** | | | |
| Bromodichloromethane | | <1 | <1 |
| Carbon Tetrachloride | 0.5 | <1 | <1 |
| Chloroform | 100 | <3 | <3 |
| Chloroethane | | <30 | <30 |
| 1,1-Dichloroethane | 5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 |
| 1,1,1,2-Tetrachloroethane | | <2 | <2 |
| Tetrachloroethene | 5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 |
| Freon-11 | | <2 | <2 |
| Freon-113 | 1200 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | |
| Total Concentration of VOCs | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
< = Less than Quantitation Limit

# 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 | 28.3 | 6.6 | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | 1.1 | 28.3 | 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) | | | | | | | | | | | 62-92-27 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Oct-92 | (D)^ | Dec-92 | Mar-93 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | May-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | 5.3 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | 2.1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <2 | <5 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | 7.4 | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | 7.4 | |

# 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-94 | Dec-94* | Feb-95* | May-95* | Aug-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Dec-96 | Feb-97 | Feb-97 | May-97 | Feb-98 | Aug-98 | Jan-99* | Aug-99 | Oct-99 | Jan-00 | May-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 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 |
| n-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | 1.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 11.2 | 7.7 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | 2.1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 1.8 | | | 13.9 | 9.8 | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | 1.8 | | | 13.9 | 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) 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 | Jan-04 | May-04 | Jul-04 | Oct-04 | Jan-05 | Apr-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 |
| 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 |
| 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** | | | | | | | | | | | | | | | | | | | | | |
| 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 | <3 | <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 | <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 |
| 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 | <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 | <1 | <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 | <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 | | | | | | | | | | | | | | | | | | | | | |
| 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 (Cont'd) | | | | | 74-94-7 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Jun-94* | (D)^ | Aug-94 | Dec-94* | Feb-95* | May-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* | Feb-97 | May-97 | Aug-97 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | 0.63 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | 1.6 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1.0 | <10 | <1 | <1 | 1.0 | <1 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | 3.23 | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <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 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <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 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | | <1 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | 0.87 | | | | 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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* | Nov-01 | Jan-02 | May-02 | Aug-02 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <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 | <0.5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Naphthalene | | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <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 | <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 | <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 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 |
| 1,1-Dichloroethane | 5 | <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 | <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 | <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 | <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 | <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 |
| Tetrachloroethene | 5 | <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 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <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 | | | | | | | | | | | | | | | | | | | | | |
| 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) | | | | | | | | | | | | | | | | 74-94-8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jul-07 | Jun-94* | (D)^ | Aug-94 | Sep-94 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1.0 | <10 | <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 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <0.5 | <5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <0.5 | <5 | <1 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Methylene Chloride | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | 1.8 | | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <10 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | 1.8 | | | |
| 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)

| Constituent | MCL | 74-94-8 (Cont'd) Dec-94* | Feb-95* | May-95* | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| n-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| sec-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| ter-Butylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Ethylbenzene | 300 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Isopropylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| p-Isopropyltoluene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Naphthalene | | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| n-Propylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Toluene | 150 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Chloroform | 80 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 |
| Tetrachloroethene | 5 | <0.5 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Trichloroethene | 5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <0.5 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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) Nov-99 | Jan-00 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 |
| 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 |
| 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 |
| 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 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <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 | | | | | | | | | | | | | | | | | 1.8 | | | | |
| **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 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <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 | <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 | <0.5 | <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 |
| 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 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <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 | | | | | | | | | | | | | | | | | | | | | |
| 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)

| Constituent | MCL | 74-94-8 (Cont'd) | | | | | | | | 74-95-6 (well is on annual sampling) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Oct-04 | Jan-05 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Aug-95 | Aug-95^ | (S)* | Aug-97 | Nov-97 | Mar-98 | Jun-98 | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-00 |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <1 | <5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <10 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <1 | <5 | <0.5 | 3.2 | 2.1 | <1 | <1 | 12.0 | <1 | 3.6 | <1 | <3 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <1 | <5 | <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 | <5 | <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 | <5 | <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 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <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 | <5 | <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 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | | <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 | <10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | 3.2 | 2.1 | | | 12.0 | | 3.6 | | |
| Total Concentration of VOCs | | | | | | | | | | | | | 3.2 | 2.1 | | | 12.0 | | 3.6 | | |

# 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) | | | | | | | 88-93-11A | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Aug-01* | Aug-02 | Jul-03 | Jul-04 | Jul-05 | Jul-06 | Jul-07 | Apr-94 | (D) | Apr-94 | Sep-94 | Dec-94* | Mar-95* | Jun-95* | Aug-95 | Nov-95 | Mar-96 | Jun-96 | Aug-96 | Dec-96* |
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| n-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| sec-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| ter-Butylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Ethylbenzene | 300 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Isopropylbenzene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| p-Isopropyltoluene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Naphthalene | | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| n-Propylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Toluene | 150 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2,4-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| 1,3,5-Trimethylbenzene | | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <1 | <0.5 |
| Xylenes, total | 1750 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Chloroform | 80 | <0.5 | <3 | <3 | <3 | <3 | <3 | <1 | 2.0 | 1.7 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1-Dichloroethane | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,2-Dichloroethane | 0.5 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <2 | <0.5 |
| 1,1-Dichloroethene | 6 | <0.5 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| trans-1,2-Dichloroethene | 10 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 |
| Tetrachloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | <1 | 1.7 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| 1,1,1-Trichloroethane | 200 | <0.5 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Trichloroethene | 5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 18.9 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Freon-113 | 1200 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <0.5 |
| Vinyl Chloride | 0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.5 |
| Total Halogenated Hydrocarbons | | | | | | | | | 21.9 | 1.7 | 1.7 | | 1.3 | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | 21.9 | 1.7 | 1.7 | | 1.3 | | | | | | | | |

# Table 8 (Cont'd)
## Outlying Areas Groundwater Monitoring Well Results
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | 88-93-11A (Cont'd) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mar-97 | May-97 | Aug-97 | Nov-97 | Feb-98 | May-98* | Aug-98 | Nov-98 | Feb-99 | May-99 | Aug-99 | Nov-99 | Feb-00 | May-00 | Jul-00 | Nov-00 | Jan-01 | May-01 | Jul-01* | Nov-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 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <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 | <0.5 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <3 | <3 | <3 | <3 | <0.5 | <3 |
| 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 |
| 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 | <2 |
| 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 | <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 | <0.5 | <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 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 |
| 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 | <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 | 88-93-11A (Cont'd) Jan-02 | Apr-02 | Jul-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 | Jan-06 | Jul-06 | Feb-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 | <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 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <1 |
| 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 | CD-92-28 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 | Feb-97# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 | <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 |
| 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 |
| 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 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1.0 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <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 | <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 |
| 1,1-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 |
| 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 | <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 | <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 | <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 | <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 |
| 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 | 1.3 |
| 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 |
| 1,1,2-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 | <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 | <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 | <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 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | 4.2 | | 1.3 |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | 4.2 | | 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jul-01* | Nov-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 | <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 |
| 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 |
| 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** | | | | | | | | | | | | | | | | | | | | | |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 |
| 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 |
| 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 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) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | Jul-06 | Jan-07 | Jul-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 | <1 |
| n-Butylbenzene | | <1 | <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 | <1 | <0.5 | <1 | <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 |
| 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 | <0.5 | <2 | <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 | <1 |
| Naphthalene | | <2 | <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 | <1 | <0.5 | <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 | <0.5 | <1 | <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 | <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** | | | | | | | | | | | | | | | | | | | | | |
| 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 | <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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <1 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <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 | <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 | | | | | | | | | | | 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)

| Constituent | MCL | OW3-225 Dec-92 | Jun-93 | Aug-93 | Nov-93 | Mar-94 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| ter-Butylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Isopropylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| n-Propylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Toluene | 150 | <5 | <1 | <1 | <1 | <1 | <1 | 201.0 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Total Aromatic Hydrocarbons | | | | | | | | 201.0 | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <5 | <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-Dichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <0.5 | <0.5 | <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 | <1 |
| Tetrachloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 30.1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | <1 |
| Freon-113 | 1200 | <0.6 | <1 | <1 | <1 | <1 | <1 | <1 | 0.51 | 0.57 | <0.5 | <0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Vinyl Chloride | 0.5 | <5 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | 0.51 | 0.57 | | | | | | | | | 33.4 | | |
| Total Concentration of VOCs | | | | | | | | 201.0 | 0.5 | 0.6 | | | | | | | | | 33.4 | | |

# 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) Jul-97 | Nov-97 | Jan-98 | May-98 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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 | <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 |
| 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 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) | | | | | | | | | | | | | | | | | MWP-2 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-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 | Jan-06 | Jul-06 | Jan-07 | Jul-07 | Nov-92 | Mar-93 |
| **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 | <5 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Isopropylbenzene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Naphthalene | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2,4-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Xylenes, total | 1750 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| Total Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 | <3 | <3 | <1 | <5 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,2-Dichloroethane | 0.5 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <0.5 | <2 | <2 | <2 | <2 | <2 | <5 | <1 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| cis-1,2-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| 1,1,2-Trichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <0.6 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 | <5 | <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) (D) | May-93 | Aug-93 | Nov-93 | Mar-94 | May-94 | Sep-94 | Nov-94* | Feb-95* | May-95* | Sep-95 | Nov-95 | Feb-96 | May-96 | Jul-96 | Jul-96 | Dec-96 | Feb-97 | May-97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Benzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| n-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| sec-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| ter-Butylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Ethylbenzene | 300 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Isopropylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| p-Isopropyltoluene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Naphthalene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| n-Propylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Toluene | 150 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <2 | <2 | <2 | <2 | <2 | <1 | <1 | <1 |
| Xylenes, total | 1750 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <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 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Tetrachloroethene | 5 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | 5.9 | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | 200 | <1 | <1 | <1 | <1 | <1 | <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 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Trichloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <0.5 | <0.5 | <5 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | 1.1 | | | | | | | | | | | | | | 5.9 | | | | |
| Total Concentration of VOCs | | 1.1 | | | | | | | | | | | | | | 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) Aug-97 | Nov-97 | Feb-98 | May-98 | Aug-98 | Oct-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 | <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 | <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 | MWP-2 (Cont'd) 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 | Apr-05* | Jul-05 | Jan-06 | Jul-06 | Feb-07 | Jul-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 | <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 |
| 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 | | | | | | | | | | | | | | | | | | | | |
| **Halogenated Hydrocarbons** | | | | | | | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5 | <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 | <0.5 | <3 | <3 | <3 | <3 | <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 |
| 1,2-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 | <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 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <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 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <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 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
*= Analysis by BC Laboratories; ^= Analysis by other Laboratories.

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

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

# Table 9
## Hydrauger Monitoring Results
## Volatile Organic Compounds - EPA Method 8260
### Fiscal Year 2007
**(concentrations in µg/L)**

| | | 51-01-01 | | | | 51-01-02 | | | | 51-01-03 | | | | 51-01-04 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Nov-06 | Jan-07 | Apr-07 | Jul-07 | Nov-06 | Jan-07 | Apr-07 | Jul-07 | Nov-06 | Jan-07 | Apr-07 | Jul-07 | Nov-06 | Jan-07 | Apr-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 | <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 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Ethylbenzene | 700 | <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 |
| 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 |
| 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 |
| Carbon Tetrachloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Chloroform | 80 | 15.3 | 12.4 | 11.2 | 11.5 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Chloroethane | | <30 | <30 | <30 | <30 | <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 | <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 | 1.7 | 1.6 | 1.2 | 1.6 | <1 | <1 | 1.7 | <1 |
| trans-1,2-Dichloroethene | 10 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <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 | <1 | <1 | <1 | <1 | 2.1 | 1.8 | 2.3 | 2.3 | <1 | <1 | <1 | <1 | <1 | 1.2 | 1.2 | <1 |
| Freon-11 | | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Freon-113 | 1200 | 7.6 | <1 | <1 | 3.0 | <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 Hydrocarbon | | 22.9 | 12.4 | 11.2 | 14.5 | 2.1 | 1.8 | 2.3 | 2.3 | 1.7 | 1.6 | 1.2 | 1.6 | | | 2.9 | |
| Total Concentration of VOCs | | 22.9 | 12.4 | 11.2 | 14.5 | 2.1 | 1.8 | 2.3 | 2.3 | 1.7 | 1.6 | 1.2 | 1.6 | | | 2.9 | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted

< = Less than Quantitation Limit

# Table 10
## Minor Chemical Detections in Site-Wide Wells
## Volatile Organic Compounds - EPA Method 8260
### (concentrations in µg/L)

| Constituent | MCL | MW90-3 | 51-96-16 | 51-96-17 | 51-96-18 | 51-00-8 | 71-95-8 | 71B-99-3R | 63-98-18 | 7-92-16 | 7-92-19 | 7-94-3 | 7-95-23 | 7B-95-24 | 52-95-2A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | | | | | | 1.2/Jan-01 | 0.5/Jun-01 | |
| Hexachlorobutadiene | | | | | | | | 5.8/Apr-01 | | | | 0.7/Dec-94 | | | |
| Methyl tert-Butyl Ether | 13 | | | | | | | | | | | | | | |
| 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 | | | | | | | | 0.6/Mar-99 | | 2.3/Aug-93 | | | | 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-Dichloropropene | | | | | 1.3/July-07 | | | | | | | | | | |
| Freon-11 | 150 | | | | | | | | | | | | | | |
| Freon-12 | | | | | | | 0.6/May-98 | | | | | | | | |
| Freon-114 | | | | | | | | | | | | | | | |
| **Other** | | | | | | | | | | | | | | | |
| 1,4-Dioxane | | | | | | | | | | | | | | | |
| Acetone | | | 26/Aug-06*<br>15/Mar-07*<br>32/Sep-07* | 50/Aug-06* | | 26/Sep-07* | | | | | | | | | |
| Methyl Ethyl Ketone | | | 150/Aug-06*<br>23/Mar-07*<br>52/Sep-07* | 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 | 58-96-11 | 58-00-12 | 31-97-17 | SB64-98-8 | SB64-99-4 | SB64-00-1 | SB64-00-2 | SB64-02-1A | SB64-02-1B | SB64-02-1C | SB64-02-1D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aromatic or Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | | | | | 0.6/Jul-03 | | | | | | | | | |
| 1,3-Dichlorobenzene | | | | | | | | | | | | | | |
| Hexachlorobutadiene | | | | | 740/Jun-01 | | | | | | | | | |
| Methyl tert-Butyl Ether | 13 | | | | | 0.6/Aug-00 | | | | | | | | |
| 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* | | | | | | | | | | |
| Dibromomethane | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | | | | | | | | | | | | | | |
| 2,2-Dichloropropene | | 2.1/Feb-05 | | 30/Jun-00 | | | | | | | | | | |
| 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)* | 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* |
| Acetone | | | | | | | | | | | | 15/Sep-07* | | |
| 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 | SB64-02-1F | SB64-02-2A | SB64-02-2B | SB64-02-2F | SB64-03-1A | SB64-03-1B | SB64-03-4 | SB71B-99-1 | SB71B-03-1 | SB71B-03-2 | SB69A-00-1 | MP7-99-1B | MP7-99-2B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **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* | | | | 7.1/Aug-06*<br>7.7/Aug-06(D)* | 1.8/Aug-06*<br>1.9/Aug-06(D)* |
| Bromomethane | | | | | | | | | | | | | | |
| Chloromethane | | | | | | | | | | | | | | |
| 2-Chlorotoluene | | | | | | | | | | | | | | |
| Dibromochloromethane | 80 | | | | | | | | | | | | | |
| Dibromomethane | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | | | | | | | | | | | | | | |
| 2,2-Dichloropropene | | | | | | | 2.6/Nov-06<br>2.4/Dec-06<br>2.2/Jan-07<br>1.2/May-07 | | | | | | | |
| 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>18.2/Jul-03<br>15.8/Jul-03 | | | | | | | |
| **Other** | | | | | | | | | | | | | | |
| 1,4-Dioxane | | 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* | 120/Aug-06*<br>230/Sep07* | | | | | | |
| Acetone | | | | | | | | | | | 12/Aug-06* | 46/Aug-06*<br>170/Mar-07* | | |
| Methyl Ethyl Ketone | | | | | | | | | | | | | | |
| Carbon Disulfide | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
1.1/Dec-95 indicates concentration/month-year

All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

(D) = Duplicate sample

# Table 11
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 4th Quarter FY 2007
**(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 | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 1 |
| Building 71 VOC Plume - Building 71B Lobe | | | | | | | | | | |
| MW90-3 | | | | 7.5 | | 6.2 | 6.8 | | | |
| MW71B-99-3R | | | | | | | | 1.3 | | |
| SB71B-99-1 | | | | 14.0 | | | | 1.3 | | |
| SB71B-03-1 | | | | 20.7 | | 9.7 | 14 | 10.6 | | |
| SB71B-03-2 | | | | 12 | | | 8.8 | 5 | | |
| SB71B-04-1 | | | | 11.3 | | 30.8 | 15 | | | |
| Building 51/64 VOC Plume | | | | | | | | | | |
| MW51-96-16 | | | | 36.6 | 25.2 | | 5.2 | 13.6 | | 1.3 |
| MW51-96-17 | | | | | | | | 3.2 | | |
| MW51-96-18 | 51 | | 9.8 | | | 76.9 | 34.8 | | | |
| MW51-97-3 | 8.6 | | 11.4 | 11 | | | | | | |
| MW51-97-12 | 6.4 | | 7.5 | 42.9 | | | | 1.2 | | |
| MW51-97-13 | 8 | | 6 | | | | | 5.7 | | |
| MW51-00-8 | | | | | | | | 0.71 | | |
| MW51-00-9 | | | | 20.7 | | | | | | |
| MW51-00-10 | | | | 14.9 | | | | | | |
| MW51B-93-18A | 10.4 | | | 27.6 | | | | 4.5 | | |
| MW64-97-2 | 6.9 | | | | | | | | | |
| SB51-98-1 | 6.8 | | | 120 | | | 19 | 0.96 | | |
| SB51-98-6 | | | | 10 | | 7.1 | 6.1 | | | |
| SB64-98-8 | 254 | | 43.3 | 6.3 | | 59.4 | 95 | 7.8 | | |
| SB64-98-12 | 65 | | 12 | 15 | | 5.7 | 29 | 0.64 | | |
| SB64-98-13 | 33 | | 6.2 | | | | 19 | | | |
| SB64-98-17 | 77.7 | | 8.2 | | | | 5.3 | 2.9 | | |
| SB64-99-4 | 486 | | 49.3 | 17.3 | | 8.9 | 58.2 | 24.2 | | |
| SB64-99-5 | 69.3 | | 42.5 | | | | 15.6 | | | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 4th Quarter FY 2007
**(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 | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 1 |
| SB64-99-6 | 5.6 | | | | | | | | | |
| SB64-00-1 | 263 | | 20.5 | 15.2 | | | 46.1 | | | |
| SB64-00-2 | 29.5 | | 151 | | | 18.1 | 46.2 | | | |
| SB64-02-1A | 3110 | 27 | 416 | 47 | | 150 | 429 | 87.5 | | |
| SB64-02-1B | 491 | 5.4 | 84 | 194 | | | 46 | 92 | | |
| SB64-02-1C | 952 | 7.2 | 110 | 120 | | | 18 | 52 | | |
| SB64-02-1D | 162 | 2.1 | 31 | 58 | | | 18.9 | 33 | | |
| SB64-02-1E | 113 | 0.55 | 25.6 | 31.4 | | | 23.9 | 17.6 | | |
| SB64-02-1F | 191 | 1.5 | 35.1 | 42.3 | | | 29 | 24.3 | | |
| SB64-02-2A | 203 | 1.7 | 24 | 188 | | | 26 | 33.8 | | |
| SB64-02-2B | 762 | 4 | 72 | 27 | | | 20 | 1.7 | | |
| SB64-02-2C | 93 | 0.83 | 40 | 19.1 | | | 10 | 1.6 | | |
| SB64-02-2D | 103 | 0.69 | 35 | 13 | | | 8.2 | 0.89 | | |
| SB64-02-2E | 84.6 | 0.54 | 30.4 | 15 | | | 5.3 | 0.9 | | |
| SB64-02-2F | 502 | 3.1 | 51 | 26 | | | | 1.5 | | |
| SB64-03-1A | 18 | | | | | | | | | |
| SB64-03-1B | 147 | | | | | | 17 | | | |
| SB64-03-4 | 66 | | | | | | | | | |
| SB64-03-5 | | | | | | 6.4 | 41.3 | | | |
| SB64-03-6 | | | | 10.4 | | 8.5 | 148 | | | |
| SB64-03-13 | 6.6 | | | | | | | | | |
| EW51-07-1 | 8.1 | | 6.8 | 110 | | | 143 | 1.3 | | |
| EW64-00-1 | 27.5 | | | | | | 7 | | | |
| EW64-03-1 | 47.6 | | | | | | 7.6 | | | |
| EW64-05-1 | | | | | | 5.5 | 9.4 | | | |
| EW64-06-1 | | | | 11.5 | | | 5 | 3.5 | | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 4th Quarter FY 2007
**(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 | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 1 |
| Building 51L Plume | | | | | | | | | | |
| MW51L-01-1A | | | | 13.6 | | | | | | |
| SB51L-98-1A | 10 | | | 110 | 12 | | 53 | | | |
| EW51A-06-1 | | | | 72.9 | | 24.8 | 1030 | | 43.2 | |
| EW51L-06-1 | | | | 12 | | | 12.4 | 4.8 | | |
| Old Town VOC Plume - Building 7 Lobe | | | | | | | | | | |
| MW90-2 | | | | | | 29.6 | | | | |
| MW7-94-3 | | | | | | 43 | 16.2 | | 1 | |
| MW7-95-22 | | | | | | 247 | 113 | | 4.7 | |
| MW7-95-23 | | | | | | 161 | 225 | | 8.1 | |
| MW7B-95-21 | | | | 6.2 | | 119 | 114 | | | |
| MW7B-95-24 | | | | | | 105 | 25 | | 2.8 | |
| MW52B-95-13 | | | | | | 65.8 | 11.1 | | 22.4 | |
| MW53-93-16-69' | | | | | | 35.3 | 15.6 | | 2.9 | |
| MW53-96-1 | | | | | | 42.4 | 16.1 | | 4.4 | |
| MW58-93-3 | 8 | | 9.3 | 6.5 | | 23.5 | 17.3 | | | |
| MW58-95-18 | | | 9.3 | | | 7.1 | 13.3 | | | |
| MW58-95-19 | | | | 112 | | 50.7 | 134 | | | |
| MW58-96-11 | | | | 18.3 | | 753 | 505 | | 26.1 | |
| MW58-00-12 | 5 | 1.7 | 43 | 198 | | 9,560 | 6,080 | 1.1 | 395 | |
| MW58A-94-14 | 5.3 | | 12.4 | 26.6 | | | | 1.2 | | |
| SB10-07-1 | | | | | | 16.9 | 8.6 | | 1.1 | |
| SB53-96-3 | | | | 13 | | 259 | 84.4 | | 4.2 | |
| SB58-95-1 | 5.6 | | | | | | | | | |
| SB58-95-2 | 7.9 | | 17 | 7.6 | | 35 | 27 | 1.3 | 1.2 | |
| SB58-96-1 | | | | 9.1 | | 25.3 | 28.2 | | | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 4th Quarter FY 2007
**(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 | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 1 |
| SB58-96-2 | | | | 7.5 | | 137 | 66.7 | | 1.6 | 1.3 |
| SB58-97-1 | | | | | | 5.2 | | | | |
| SB58-97-2 | | | | 32.9 | | | | 1.9 | | |
| SB58-01-02 | 7.8 | | 21 | 7.5 | | 31 | 39 | | | |
| SB58-02-1 | 20 | | 75 | 18 | | 100 | 92 | 1.1 | | |
| SB58-02-2 | 13 | | 26 | 16 | | 69 | 71 | | | |
| EW7-96-1 | | | | | | 463 | 15.8 | | | |
| EW7-96-2 | | | | | | 32.3 | 11.8 | | | |
| EW7-96-4R | | | | 25.3 | | 302 | 20.6 | | | |
| EW7-03-1 | | | | | | 68.2 | 23.9 | | | |
| EW7-03-2 | | | | | | 293 | 81.6 | | 8 | |
| EW7-03-3 | | | | 12.7 | | 1260 | 408 | | 24.1 | |
| EW7-06-1 | | | | 156 | | 38 | 9.2 | | | |
| EW7C-04-2 | | | | | | 18.5 | | | 2.4 | |
| EW58E-98-1 | | | | | | 94.6 | 65.6 | | 2.4 | |
| EW58E-98-2 | | | | | | 97.8 | 86.4 | | 3.1 | |
| EW58E-98-3 | | | | | | 124 | 104 | | 3.8 | |
| EW58E-98-4 | | | | | | 10.5 | 35.9 | | | |
| EW58E-98-5 | | | | 8.5 | | 67.8 | 97.1 | | 2 | |
| EW58E-98-6 | | | | 8.5 | | 21.2 | 40.3 | | | |
| EW58E-98-7 | | | | | | 8.5 | 16.7 | | | |
| EW58E-98-8 | | | | 11.9 | | 52.9 | 54.9 | | 1.1 | |
| EW58-02-1 | | | | 11.5 | | 198 | 63.4 | | 2.9 | |
| MP7-99-1BR | | | | | | 663 | 501 | | 30 | |
| MP7-99-2BR | | | | | | 2050 | 388 | | 45.9 | |

# Table 11 (Cont'd)
## Volatile Organic Compounds Detected in Groundwater Above MCLs
## EPA Method 8260
### 4th Quarter FY 2007
**(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 | Benzene |
| MCL | 5 | 0.5 | 6 | 6 | 10 | 5 | 5 | 0.5 | 0.5 | 1 |
| Old Town VOC Plume - Building 25A Lobe | | | | | | | | | | |
| MW6-92-17 | | | | | | | 8.4 | | | |
| MW16-94-13 | | | | | | 21.4 | 10.4 | | | |
| MW25-98-10 | | | | | | | | | 0.51 | |
| MW25A-98-1 | | | | | | | 143 | | | |
| MW25A-98-3 | | | | | | | 17 | | | |
| MW25A-98-7 | | | | | | | 14.7 | | | |
| MW25A-99-2 | | | | | | | 99.2 | | | |
| MW26-92-11 | | | | | | 7.4 | | | | |
| SB16-98-1 | | | | | | | 6.8 | | | |
| SB25A-96-3 | | | 28 | | | | 98 | | | |
| EW25A-02-1 | | | | | | | 6.4 | | | |
| Old Town VOC Plume - Building 52 Lobe | | | | | | | | | | |
| MW91-9 | | | | | | 6.2 | | | | |
| SB5A-98-1 | | | | | | 9.5 | | | | |
| Building 69 Area of Groundwater Contamination | | | | | | | | | | |
| MW69-97-8 | | | | 7.1 | | | | | | |
| SB69A-99-1 | | | | | | | | 9.6 | | 0.98 |
| Building 75A Area of Groundwater Contamination | | | | | | | | | | |
| MW75A-00-7 | | | | | | | | | | 99.5 |
| SB75-02-1 | | | | 80 | | | 10 | | | |
| Building 76 Area of Groundwater Contamination | | | | | | | | | | |
| MW76-1 | | | | 7.9 | | | | | | |
| MW76-98-21 | | | | | | | 9.8 | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)

Note: Where duplicate or split samples were collected, or more than one sample was collected during the quarter, the maximum deceted concentrations is shown.

# Table 12
## Groundwater Monitoring Results
## Total Petroleum Hydrocarbons-EPA Modified Method 8015
### FY 2007: October 2006 through September 2007
**(concentrations in µg/L)**

| Area | Location | Well No. | Date | TPH-D | TPH-G | TPH-K | TPH-FF |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| 2 | Former Building 7E Diesel/Kerosene UST | 7-92-16 | Oct-06 | | | <50 | |
| | | | Sep-07 | | | <50 | |
| | | SB7-97-1 | Oct-06 | | | | ND |
| | | 6-93-4 | Aug-07 | | | <50 | |
| | | 6-93-4(D) | | | | <50 | |
| | | 6-95-14 | Aug-07 | | | <50 | |
| | | MW90-2 | Aug-07 | | | | ND |
| | Building 52B Former Abandoned Above Ground Storage Tank | 52B-95-13 | Aug-07 | <200 | | | |
| | | 53-95-12 | Sep-07 | | | | ND |
| | | 58-96-11 | Aug-07 | | | | ND |
| 3 | | MW91-4 | Sep-07 | | | | ND |
| | | 69-97-8 | Aug-07 | | | | ND |
| | | 75-97-5 | Sep-07 | | | | ND |
| 4 | Building 76 Former Diesel and Gasoline Underground Storage Tanks | MW76-1 | Aug-07 | <200 | <50 | | |
| | | W76-97-3 | Mar-07 | <200 | <50 | | |
| | | W76-97-4 | Mar-07 | <200 | <50 | | |
| | | W76-97-5 | Mar-07 | <200 | <50 | | |
| | Building 76 Present and Former Waste Accumulation Area #3 | 76-93-6 | Mar-07 | <200 | | | |
| | | | Jul-07 | <330 | | | |
| 7 | | 46-92-9 | Sep-07 | | | | ND |
| | | 58-93-3 | Aug-07 | <200 | | | |
| 10 | | 16-94-13 | Aug-07 | <200 | | | |
| 11 | Building 74 Former Diesel UST | 74-95-6 | Jul-07 | <200 | | | |

All samples were analyzed by BC Laboratories.

| | |
|---|---|
| | = Not Sampled |
| < | = Not detected above reporting limit |
| ND | = No analyte detected |
| (D) | = Duplicate Sample |

Analysis for TPH-FF, included: Light Naptha, Aviation Gas, Stoddard Solvent, Heavy Naptha, Gasoline, JP4, JP5, JP6, JP8, Kerosene, Diesel, Crude/Waste Oil, Hydraulic/Motor Oil, and WD-40

# Table 13
# Groundwater Monitoring Results
# Tritium- Modified Method E906
## FY 2007: October 2006 through September 2007
**(concentrations in pCi/L)**

| Area | Well No. | FY2007 Qtr 1 Oct-Dec | FY2007 Qtr 2 Jan-Mar | FY2007 Qtr 3 Apr-June | FY2007 Qtr 4 July-Sept |
|---|---|---|---|---|---|
| Groundwater Monitoring Wells | | | | | |
| 1 | 71-95-9 | | 320 | | 373 |
| 3 | 69-97-21 | | | <300 | |
| | 75B-92-24 | | 959 | | 1,370 |
| | 75-97-5 | | 15,100<br>15,200 (D) | | 15,600<br>15,400 (D) |
| | 75-97-7 | | 398 | | 652 |
| | 75-98-14 | | 4,880<br>4,880 (D) | | 5,510 |
| | 75-99-6 | | 3,100 | | 5,280 |
| | 75-99-7 | | 6,080 | | |
| 4 | 76-93-6 | | 3,190 | | 2,550 |
| 5 | MWP-9 | | | | <300 |
| | MWP-10 | | | | <300 |
| | 77-94-6 | | 6,020 | | 6,160 |
| | 77-97-11 | | 3,950 | | 4,000 |
| | 31-97-17 | | 1,310 | | 1,330 |
| | 31-98-17 | <300 | <300 | <300 | <300 |
| Temporary Groundwater Sampling Points | | | | | |
| 3 | SB69A-99-1 | | 585 | | 544 |
| | SB69A-00-1 | | <300 | | <300 |
| | SB69-02-1A | | 724 | | |
| | SB69-02-1B | | <300 | | |
| | SB75-02-1 | | 971 | | 1,020 |
| | SB75A-02-1A | | 745 | | 730 |
| | SB75A-02-1B | | <300 | | <300 |
| 5 | SB31-02-1 | | 975 | | 1,260 |
| | SB31-02-2 | | 1,260 | | 1,120 |
| | SB31-02-4 | | 2,100 | | 2,000 |
| | SB31-02-5 | | 2,140 | | 1,970 |
| | SB31-02-6 | | 373 | | 582 |
| | SB31-02-7 | | <300 | | <300 |
| | SB31-03-1 | | 1,740 | | 2,110 |
| | SB31-03-2 | | 2,320 | | 2,790 |
| | SB31-03-3 | | 1,180 | | |
| | SB31-03-4 | | 2,130 | | 1,680 |
| | SB77-02-1 | | <300 | | <300 |

# Table 13 (Cont'd)
# Groundwater Monitoring Results
# Tritium- Modified Method E906
## FY 2007: October 2006 through September 2007
**(concentrations in pCi/L)**

| Area | Well No. | FY2007 Qtr 1 Oct-Dec | FY2007 Qtr 2 Jan-Mar | FY2007 Qtr 3 Apr-June | FY2007 Qtr 4 July-Sept |
|---|---|---|---|---|---|
| Slope Stability/Indicator Facilities | | | | | |
| 5 | SSW17-130 | | 736 | | 835 |
| | SSW19-130 | | 364 | | 689 |
| | SSW20-130 | | 986 | | 1,320 |
| | SSW21-130 | | <300 | | <300 |
| Hydraugers | | | | | |
| 5 | 77-02-05 | | 1,470 | | |
| | 77-02-06 | | 436 | | |
| | 77-02-11 | | <300 | | |
| | 77-02-12 | | <300 | | |
| | 77-03-02 | | <300 | | |
| | 77-03-03 | | <300 | | |

Maximum contaminant level (MCL) for drinking water for tritium determined by California DHS = 20,000 pCi/L
All samples were analyzed by Eberline

| | |
|---|---|
| | = Not Sampled |
| < | = Less than minimum detectable activity (MDA) |

(D) = Duplicate sample

# Table 14
## Groundwater Monitoring Results
## Metals
## FY 2007: October 2006 through September 2007
### (concentrations in µg/L)

| Area | Well No. | Date | 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 |
| **Groundwater Monitoring Wells** | | | | | | | | | | | | | | | | | | | |
| 2 | 7B-95-24 | Sep-07 | | | | | | | | | | <0.2 | | | | | | | |
| 3 | MW91-4 | Sep-07 | | | | | | | | | | | 110 | | | | | | |
| | 75-99-8 | Jul-07 | | 49 | | | | | | | | | | | | | | | |
| 5 | 77-92-10 | Jul-07 | | | | | | | | | | | 230 | | | | | | |
| | 77-94-5 | Sep-07 | | | | | | | | | | | 230 | | | | | | |
| 7 | 46-92-9 | Sep-07 | | | | | | | | | | | 390 | | | | | | |
| 9 | 51-92-2 | Jul-07 | | | | | | | | | | | 190 | | | | | | |
| | 51-00-9 | Aug-07 (D) | | | | | | | | | | | 360<br>380 | | | | | | |
| | 51-00-10 | Aug-07 | | | | | | | | | | | 450 | | | | | | |
| | 51B-93-18A | Aug-07 | | 41 | | | | | | | | | | | | | | | |
| | 64-97-1 | Jul-07 | | **61** | | | | | | | | | | | | | | | |
| | 64-97-2 | Jul-07 | | | | | | | | | | | | | **73** | | | | |
| 14 | 37-92-18A | Jul-07 | | 39 | | | | | | | | | | | | | | | |
| **Temporary Groundwater Sampling Points** | | | | | | | | | | | | | | | | | | | |
| 14 | SB10-07-1 | Aug-07 | <2 | 6.5 | 38 | <1 | <1 | <10 | <50 | <10 | <1 | 0.35 | 160 | 10 | <2 | <10 | <1 | <10 | 19 |
| | | Sep-07 | <2 | 8.9 | 41 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | 240 | <10 | <2 | <10 | <1 | <10 | <10 |
| | SB10-07-2 | | 5.8 | 3.1 | 47 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | 15 | 7 | <10 | <1 | <10 | <10 |
| | SB10-07-3 | | 2.0 | 2.8 | 59 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | 15 | <2 | <10 | <1 | <10 | <10 |
| | SB10-07-4 | | 3.1 | 4.6 | 71 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| | SB10-07-5 | | <2 | 11 | 66 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | 54 | <10 | 2.6 | <10 | <1 | <10 | <10 |
| | SB10-07-6 | | 3.2 | 10 | 250 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | 68 | <10 | 3.7 | <10 | <1 | <10 | <10 |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All samples were analyzed by BC Laboratories
Values in bold indicate concentrations above background and MCL, if MCL specified
* Background concentrations in parentheses represent values for wells screened in the Orinda Formation
** LBNL Maximum Background Level (LBNL, 2002a)

< = Not detected
= 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 2007: October 2006 through September 2007
**(concentrations in µg/L)**

| RFI Unit | Area | Well No. | Date | PCBs (608) |
|---|---|---|---|---|
| Building 52B Former Abandoned Above Ground Storage Tank | 2 | 52B-95-13 | Aug-07 | <0.2 |
| Former Building 75 Hazardous Waste Handling Facility | 3 | 75-98-14 | Aug-07 | <0.2 |
| | | 75-99-6 | Jul-07 | <0.2 |
| | | 75-99-8 | Jul-07 | <0.2 |
| Building 51 Sanitary Sewer and Drainage System | 9 | 51-00-9 | Aug-07 | <0.2 |
| | | | (D) | <0.2 |
| | | 51-00-10 | Aug-07 | <0.2 |
| | | SB51-98-1 | Mar-07 | <0.2 |
| | | | Sep-07 | <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 Quantitation Limit
(D)=Duplicate Sample

# Table 16
## Hydrochemical Indicator Parameters Sampling Results
### FY 2007: October 2006 through September 2007

| Parameter | Units | Optimum Range in Concentration | Building 51/64 Groundwater Solvent Plume | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MW51-96-16 | | | | | MW51-96-17 | | | | | MW51-97-12 | | MW51-97-13 | |
| | | | Dec-06 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Dec-06 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Dec-06 | Aug-07 | Dec-06 | Aug-07 |
| Ethane ($C_2H_6$) | µg/L | >10 | 0.46 | 0.096 | 0.076 | <0.025 | 0.041 | 0.052 | 0.11 | 0.18 | 0.054 | 0.15 | 0.096 | 1.7 | 0.22 | 0.073 |
| Ethene ($C_2H_4$) | µg/L | >10 | **18** | **14** | **18** | **11** | 2.5 | 6.9 | 2.9 | 2.5 | 0.91 | 7.9 | 0.041 | 0.087 | 2 | 1.5 |
| Methane ($CH_4$) | µg/L | >500 | **4,000** | **7,600** | **11,000** | **10,000** | **8,000** | **2,600** | **9,900** | **9,400** | **4,700** | **3,200** | **1,100** | **1,400** | **9,100** | **8,700** |
| Volatile Fatty Acids (VFAs) | mg/L | >100 | 36.5 | **144.8** | **172.4** | **130.1** | **244.7** | **1,171** | **149.5** | 0.76 | 0.17 | 0.44 | 0.15 | 0.25 | 0.57 | 0.10 |
| Nitrate ($NO_3^-$) | mg/L | <1 | **<0.5** | **<0.5** | **<1** | **<0.5** | **<0.5** | **<0.5** | <2 | **<1** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |
| Sulfate ($SO_4^{2-}$) | mg/L | <20 | **2.7** | **2.4** | **2.9** | **2** | **<1** | **<1** | **2.2** | **<2** | **1.7** | **6.4** | **15** | **14** | **5** | **16** |
| Sulfide ($H_2S$) | mg/L | >1 | <0.1 | 0.1 | ND | ND | ND | <0.1 | 0.075 | ND | ND | ND | <0.1 | ND | <0.1 | ND |
| Ferrous Iron ($Fe^{2+}$) | mg/L | >1 | **2.9** | **3.5** | **2.8** | **3.6** | **5.2** | ND | 0 | ND | ND | ND | **3.8** | **5.9** | **3.5** | **1.8** |
| Dissolved Oxygen (DO) | mg/L | <0.5 | | **0.04** | **0.05** | **0.04** | **0.2** | | **0.18** | **0.08** | **0.08** | **0.37** | | **0.05** | | **0.07** |
| pH | pH units | 5 to 9 | **7.4** | **7.9** | **6.75** | **6.38** | **6.52** | **8.4** | **7.93** | **7.4** | **6.77** | **7.26** | **7.3** | **6.55** | **7.8** | **6.88** |
| Temperature | °C | >20 | 17.7 | 17.1 | 17.9 | 17.6 | 18.3 | 17.4 | 16.7 | 17.8 | 17.3 | 17.9 | 16.9 | 17.9 | 16.3 | 18.4 |
| Nitrite ($NO_2^-$) | mg/L | | <0.5 | <0.5 | <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 Dioxide ($CO_2$) | ppm | > 2 times background | 200 | 230 | 13 | 12 | 11 | 15 | 16 | 30 | 18 | 15 | 200 | 12 | 120 | 13.8 |

# Table 16 (Cont'd)
## Hydrochemical Indicator Parameters Sampling Results
### FY 2007: October 2006 through September 2007

| Parameter | Units | Optimum Range in Concentration | Building 7 Lobe Old Town Plume | | | | Building 69A Area of Groundwater Contamination | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MW58-93-3 | | MW58A-94-14 | | MW69-97-8 | | SB69A-99-1 | | | | | SB69A-00-1 |
| | | | Dec-06 | Aug-07 | Dec-06 | Aug-07 | Dec-06 | Aug-07 | Dec-06 | Feb-07 | Apr-07 | Jun-07 | Aug-07 | Dec-06 |
| Ethane ($C_2H_6$) | µg/L | >10 | 0.046 | 0.078 | 0.072 | 0.029 | <0.025 | 0.068 | <0.025 | 0.041 | 0.027 | <0.025 | <0.025 | 0.3 |
| Ethene ($C_2H_4$) | µg/L | >10 | 0.046 | 0.077 | 0.13 | 0.48 | 0.026 | 0.1 | **11** | **12** | 8 | 6.8 | 2 | 6.8 |
| Methane ($CH_4$) | µg/L | >500 | 16 | 22 | 240 | **1,500** | 9.8 | **600** | **10,000** | **9,900** | **9,600** | **7,700** | **3,000** | **2,800** |
| Volatile Fatty Acids (VFAs) | mg/L | >100 | | | | | 0.32 | 0.16 | 0.28 | 0.08 | 0.20 | 0.30 | 0.29 | 0.22 |
| Nitrate ($NO_3^-$) | mg/L | <1 | 4.3 | 3.2 | **0.96** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | <2 | **<1** | **<0.5** | **<0.5** | **<0.5** |
| Sulfate ($SO_4^{2-}$) | mg/L | <20 | 77 | 59 | 59 | 55 | **8.3** | **2.8** | **<1** | **2.1** | **<2** | **1.1** | **<1** | **12** |
| Sulfide ($H_2S$) | mg/L | >1 | <0.1 | ND | <0.1 | ND | <0.1 | ND | <0.1 | 0.8 | ND | ND | ND | <0.1 |
| Ferrous Iron ($Fe^{2+}$) | mg/L | >1 | ND | ND | ND | ND | ND | **1** | **3.8** | **2.8** | **3.4** | **3.8** | **4** | **3.9** |
| Dissolved Oxygen (DO) | mg/L | <0.5 | | **0.03** | | 1.15 | | **0.12** | | **0.08** | **0.05** | **0.02** | **0.06** | |
| pH | pH units | 5 to 9 | **8.5** | **7.2** | **8** | **7.53** | **7.53** | **6.82** | **7.8** | **6.44** | **6.7** | **6.48** | **6.57** | **7.3** |
| Temperature | °C | >20 | 16.8 | 18.2 | 16.2 | 18.8 | 17.2 | 19.2 | 17.7 | 18.3 | 18.1 | 19.5 | 19.1 | 16.5 |
| Nitrite ($NO_2^-$) | mg/L | | <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 Dioxide ($CO_2$) | ppm | > 2 times background | 35 | 16 | 20 | 40 | 160 | 12.5 | 350 | 180 | 13 | 11 | 11.5 | ND |

# Table 16 (Cont'd)
## Hydrochemical Indicator Parameters Sampling Results
### FY 2007: October 2006 through September 2007

| Parameter | Units | Optimum Range in Concentration | Building 71B Plume | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MW71B-98-13 | MW71B-99-3R | | SB71B-03-1 | | | SB71B-03-2 | | | MW71-95-9* | |
| | | | Feb-07 | Dec-06 | Aug-07 | Feb-07 | Apr-07 | Jun-07 | Feb-07 | Apr-07 | Jun-07 | Dec-06 | Aug-07 |
| Ethane ($C_2H_6$) | µg/L | >10 | 0.18 | 0.5 | 0.15 | 0.36 | 0.31 | 0.079 | 0.048 | 0.049 | 0.08 | <0.025 | 0.098 |
| Ethene ($C_2H_4$) | µg/L | >10 | 0.25 | 2.1 | 0.71 | 0.86 | 2.1 | 0.29 | 1.8 | 3.4 | 3.7 | <0.025 | 0.12 |
| Methane ($CH_4$) | µg/L | >500 | **3,700** | **5,800** | **930** | **2,600** | **2,400** | 220 | **5,800** | **7,500** | **8,900** | 2.7 | 20 |
| Volatile Fatty Acids (VFAs) | mg/L | >100 | 0.21 | 0.1 | 0.31 | 0.17 | 0.40 | 0.51 | ND | 0.24 | 0.34 | 0.12 | 0.10 |
| Nitrate ($NO_3^-$) | mg/L | <1 | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | 2.9 | 3.5 |
| Sulfate ($SO_4^{2-}$) | mg/L | <20 | **15** | **4.7** | **16** | **4.1** | **9.5** | 22 | **18** | **12** | **10** | 30 | 26 |
| Sulfide ($H_2S$) | mg/L | >1 | 0.08 | <0.1 | ND | 0.07 | ND | ND | 0.1 | ND | ND | <0.1 | ND |
| Ferrous Iron ($Fe^{2+}$) | mg/L | >1 | **3.1** | 0.8 | ND | **2.4** | **3.7** | ND | 0.3 | **1.3** | 1 | ND | ND |
| Dissolved Oxygen (DO) | mg/L | <0.5 | **0.06** | | **0.27** | 0.82 | 0.52 | 0.51 | 0.71 | **0.28** | **0.23** | | 0.84 |
| pH | pH units | 5 to 9 | **7.25** | **7.7** | **7.2** | **7.36** | **6.82** | **6.81** | **7.29** | **7.04** | **6.84** | **7.8** | **7.06** |
| Temperature | °C | >20 | 17 | 16.1 | 18.8 | 15.7 | 17.2 | 16.6 | 15.8 | 17.6 | 16.7 | 16.1 | 17.8 |
| Nitrite ($NO_2^-$) | mg/L | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Carbon Dioxide ($CO_2$) | ppm | > 2 times background | 1000 | 120 | 16 | 470 | 15 | 20 | 1000 | 16 | 13 | 25 | 18 |

< indicates that analyte was not detected above method reporting limit noted.
Boldface type indicates that analytes were within optimum range by biodegradation.
* Upgradient (background well) for Building 71B and Building 51/64 plumes.

Not analyzed or analysis not required.
ND indicates analyte was not detected by instrument.

# Table 17a
## Surface Water Sampling Results
## VOCs and Metals
### FY 2007: October 2006 through September 2007
**(concentrations in µg/L)**

| Location | | Date | VOCs | Metals | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn |
| Botonical Garden Creek | | Mar-07 | LT | <2 | <2 | 78 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | 2.3 | <10 | <1 | <10 | <10 |
| Cafeteria Creek | | Mar-07 | LT | <2 | <2 | 62 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 25 |
| Chicken Creek | Down Stream | Mar-07 | LT | <2 | <2 | 110 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 11 |
| | Up Stream | Mar-07 | LT | <2 | 2.7 | 85 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | 2.6 | <10 | <1 | 16 | 41 |
| N.Fork Strawberry Creek | Down Stream | Mar-07 | LT | <2 | <2 | 81 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 23 |
| | Up Stream | Mar-07 | LT | <2 | <2 | 83 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 25 |
| No Name Creek | | Mar-07 | LT | <2 | <2 | 110 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Ravine Creek | | Mar-07 | LT | <2 | <2 | 73 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | <10 |
| Ten-Inch Creek | | Mar-07 | LT | <2 | <2 | 57 | <1 | <1 | <10 | <50 | <10 | <1 | <0.2 | <50 | <10 | <2 | <10 | <1 | <10 | 11 |

VOC analyses by LBNL EML
Metals analyses by BC laboratories.

LT = Less than Quantitation Limit
< = Not detected

# Table 17b
## Surface Water Sampling Results
## Tritium
### FY 2007: October 2006 through September 2007
**(concentrations in pCi/L)**

| Location | | Lab | Date | Tritium |
|---|---|---|---|---|
| Chicken Creek | Down Stream | Eberline | Mar-07 | <300 |
| | Up Stream | Eberline | Oct-06 | <200* |
| | | Paragon Analytics | Oct-06 | <200* |
| | | Eberline | Dec-06 | <200* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | Feb-07 | 320* |
| | | Paragon Analytics | Feb-07 | 300* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | Mar-07 | 416 |
| | | Eberline | Mar-07 | <300 |
| North Fork Strawberry Creek | Down Stream | Eberline | Oct-06 | <200* |
| | | Eberline | Dec-06 | <200* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | Mar-07 | <300 |
| | | Eberline | May-07 | <200* |
| | | Eberline | Aug-07 | 209* |
| | | Paragon Analytics | Aug-07 | <200* |
| | Up Stream | Eberline | Mar-07 | <300 |
| Strawberry Creek (UC Campus) | | Eberline | Dec-06 | <200* |
| | | Paragon Analytics | Dec-06 | <200* |
| | | Eberline | Feb-07 | <200* |
| | | Eberline | May-07 | <200* |
| | | Eberline | Aug-07 | <200* |

Maximum contaminant level (MCL) for drinking water for tritium determined by California DHS = 20,000 pCi/L

* Sample Collected by LBNL Environmental Services Group surface water program

< = Less than minimum detectable activity (MDA)

# Table 18a
## Soil Sampling Results
### 4th Quarter FY 2007
**(concentration in mg/kg)**

| | | | | | TPH | | | VOCs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diesel | Motor Oil | Gasoline | PCE | TCE | Benzene | Ethylbenzene | Toluene | Total Xylenes |
| **Target Risk-Based MCS** | | | | | | | | 0.45 | 2.3 | 0.1 | | | |
| Location | Sample ID | Depth (ft) | Lab | Date | | | | | | | | | |
| SB10-07-1 | BS-SB10-07-1-5 | 5 | BC | Aug-07 | | | | <0.0053 | <0.0053 | <0.0053 | <0.0053 | <0.0053 | <0.011 |
| | BS-SB10-07-1-10 | 10 | | | | | | <0.0055 | <0.0055 | <0.0055 | <0.0055 | <0.0055 | <0.011 |
| | BS-SB10-07-1-20 | 20 | | | | | | <0.0052 | <0.0052 | <0.0052 | <0.0052 | <0.0052 | <0.01 |
| | BS-SB10-07-1-30 | 30 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-1-40 | 40 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-1-50 | 50 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-1-60 | 60 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-1-70 | 70 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| SB10-07-2 | BS-SB10-07-2-5 | 5 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-10 | 10 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-15 | 15 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-20 | 20 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-2-25 | 25 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-30 | 30 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-35 | 35 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-2-40 | 40 | | | | | | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.02 |
| | BS-SB10-07-2-45 | 45 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-2-50 | 50 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-2-55 | 55 | | | | | | <0.0098 | <0.0098 | <0.0098 | <0.0098 | <0.0098 | <0.02 |
| | BS-SB10-07-2-60 | 60 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-2-65 | 65 | | | | | | <0.0099 | <0.0099 | <0.0099 | <0.0099 | <0.0099 | <0.02 |
| SB10-07-3 | BS-SB10-07-3-5 | 5 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-10 | 10 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-15 | 15 | | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-20 | 20 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-25 | 25 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-30 | 30 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-35 | 35 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-40 | 40 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-3-45 | 45 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-3-50 | 50 | | | | | | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.02 |

# Table 18a (Cont'd)
## Soil Sampling Results
### 4th Quarter FY 2007
**(concentration in mg/kg)**

| | | | | | TPH | | | VOCs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diesel | Motor Oil | Gasoline | PCE | TCE | Benzene | Ethylbenzene | Toluene | Total Xylenes |
| | | | | **Target Risk-Based MCS** | | | | 0.45 | 2.3 | 0.1 | | | |
| Location | Sample ID | Depth (ft) | Lab | Date | | | | | | | | | |
| SB10-07-3 | BS-SB10-07-3-55 | 55 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-3-60 | 60 | | | | | | <0.0098 | <0.0098 | <0.0098 | <0.0098 | <0.0098 | <0.02 |
| | BS-SB10-07-3-65 | 65 | | | | | | <0.0099 | <0.0099 | <0.0099 | <0.0099 | <0.0099 | <0.02 |
| SB10-07-4 | BS-SB10-07-4-5 | 5 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-10 | 10 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-15 | 15 | | | | | | 0.0051 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-20 | 20 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-30 | 30 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-35 | 35 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-40 | 40 | | | | | | 0.0088 | 0.012 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-45 | 45 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-4-50 | 50 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-4-55 | 55 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-60 | 60 | | | | | | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | <0.05 |
| | BS-SB10-07-4-65 | 65 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-4-70 | 70 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| SB10-07-5 | BS-SB10-07-5-5 | 5 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-10 | 10 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-15 | 15 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-20 | 20 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-25 | 25 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-30 | 30 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-35 | 35 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-40 | 40 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-45 | 45 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-50 | 50 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-55 | 55 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-60 | 60 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-5-65 | 65 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| SB10-07-6 | BS-SB10-07-6-5 | 5 | BC | Aug-07 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-10 | 10 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |

# Table 18a (Cont'd)
## Soil Sampling Results
### 4th Quarter FY 2007
**(concentration in mg/kg)**

| | | | | | TPH | | | VOCs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diesel | Motor Oil | Gasoline | PCE | TCE | Benzene | Ethylbenzene | Toluene | Total Xylenes |
| | | | | **Target Risk-Based MCS** | | | | 0.45 | 2.3 | 0.1 | | | |
| Location | Sample ID | Depth (ft) | Lab | Date | | | | | | | | | |
| SB10-07-6 | BS-SB10-07-6-15 | 15 | BC | Aug-07 | | | | <0.005 | <0.005 | 0.0068 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-20 | 20 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-25 | 25 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-30 | 30 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-35 | 35 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-40 | 40 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-45 | 45 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0099 |
| | BS-SB10-07-6-50 | 50 | | | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.01 |
| | BS-SB10-07-6-55 | 55 | | | | | | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0098 |
| Former Building 29 | SS01[a] | 2.5 | TA | Sep-07 | 660 | <250 | <0.2 | | | <0.004 | <0.004 | <0.004 | <0.008 |
| | SS02[a] | 3 | | Sep-07 | 34 | 160 | <0.21 | | | <0.0042 | <0.0042 | <0.0042 | <0.0084 |
| | SS03 | 2 | | | 4.6 | <50 | <0.24 | | | <0.0049 | <0.0049 | <0.0049 | <0.0097 |
| | SS04 | 0.25 | | | 56 | <50 | <0.22 | | | <0.0045 | <0.0045 | <0.0045 | <0.0089 |
| | SS05[a] | 0.25 | | | 360 | 260 | <0.22 | | | <0.0044 | <0.0044 | <0.0044 | <0.0089 |
| | SS06[a] | 0.25 | | | 210 | 94 | <0.21 | | | <0.0043 | <0.0043 | <0.0043 | <0.0086 |
| | SS07[a] | 3 | | | 170 | <50 | <0.21 | | | <0.0042 | <0.0042 | <0.0042 | <0.0084 |
| | SS08 | 2 | | | 36 | 69 | <0.22 | | | <0.0043 | <0.0043 | <0.0043 | <0.0086 |
| | SS09 | 2.5 | | | 4.8 | <50 | <0.22 | | | <0.0044 | <0.0044 | <0.0044 | <0.0088 |
| | SS10 | 2.5 | | | 7.5 | <50 | <0.24 | | | <0.0048 | <0.0048 | <0.0048 | <0.0096 |
| | SS11 | 2.5 | | | 2.8 | <50 | <0.24 | | | <0.0048 | <0.0048 | <0.0048 | <0.0096 |
| | SS12 | 2.5 | | | 3.9 | <50 | <0.23 | | | <0.0047 | <0.0047 | <0.0047 | <0.0094 |
| | SS29-07-1 | 5.7 | BC | Sep-07 | <10 | <20 | | | | | | | |
| | SS29-07-2 | 5 | | | <10 | <20 | | | | | | | |
| | SS29-07-3 | 2.3 | | | <10 | <20 | | | | | | | |
| | SS29-07-4 | 2.3 | | | <10 | <20 | | | | | | | |

BC=Samples were analyzed by BC Laboratories.
TA=Samples were analyzed by TestAmerica.
a= Sample is from a location that has been excavated.

< = Not detected above reporting limit
= Compound not included in analysis

# Table 18b
# Soil Sampling Results
# Metals
## 4th Quarter FY 2007
**(concentrations in mg/kg)**

| | | | | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Hg | Mo | Ni | Se | Ag | Tl | V | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Background*** | <10 | 42/24 | 410 | 1.1 | 5.6 | 120 | 25 | 63 | 57 | 0.5 | <5 | 270 | 5.1 | 3 | 10 | 90 | 140 |
| **Location** | **Sample ID** | **Depth (ft)** | **Date** | | | | | | | | | | | | | | | | | |
| SB10-07-1 | BS-SB10-07-1-5 | 5 | Aug-07 | <1 | 6.4 | 370 | <2.5 | <5 | 46 | <25 | 31 | <50 | <0.05 | <25 | 66 | <12 | <12 | <120 | 60 | 110 |
| SB76-07-1 | BS-SB76-07-1-4 | 4 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| | BS-SB76-07-1-8 | 8 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| SB76-07-2 | BS-SB76-07-2-4.5 | 4.5 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| | BS-SB76-07-2-8 | 8 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| SB76-07-3 | BS-SB76-07-3-4 | 4 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| | BS-SB76-07-3-8 | 8 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| SB76-07-4 | BS-SB76-07-4-4 | 4 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| | BS-SB76-07-4-5.5 | 5.5 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| SB76-07-5 | BS-SB76-07-5-4 | 4 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |
| | BS-SB76-07-5-8 | 8 | Aug-07 | | | | | <0.5 | | | | | | | | | | | | |

All samples were analyzed by BC Laboratories.
* LBNL Maximum Background Level (LBNL, 2002b)
< = Less than minimum detectable activity (MDA)
= Compound not included in analysis

# Table 19
## Groundwater Quality Control Samples
## Volatile Organic Compounds - EPA Method 8260
### 4th Quarter FY 2007
**(concentrations in µg/L)**

| | | Equipment (Rinseate) Blanks | | | | | | | | | | | Trip Blank | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Constituent | MCL | Jul-07 | Jul-07 | Jul-07 | Aug-07 | Aug-07 | Aug-07 | Sep-07 | Sep-07 | Sep-07 | Sep-07 | Sep-07* | Jul-07 | Jul-07 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | |
| Benzene | 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 |
| 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 |
| 1,4-Dichlorobenzene | 5 | <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 |
| 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 |
| 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 |
| 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 | <0.5 | <1 | <1 |
| 1,2,4-Trichlorobenzene | 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 |
| 1,3,5-Trimethylbenzene | | <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 |
| 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 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <0.5 | <3 | <3 |
| Dibromochloromethane | 80 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| 1,1-Dichloroethane | 5 | <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 | <0.5 | <2 | <2 |
| 1,1-Dichloroethene | 6 | <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 | <0.5 | <1 | <1 |
| trans-1,2-Dichloroethene | 10 | <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 |
| Tetrachloroethene | 5 | <1 | <1 | <1 | <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 | <0.5 | <1 | <1 |
| 1,1,2-Trichloroethane | 5 | <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 | <0.5 | <1 | <1 |
| Freon-113 | 1200 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <0.5 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | |

# Table 19 (Cont'd)
## Groundwater Quality Control Samples
## Volatile Organic Compounds - EPA Method 8260
### 4th Quarter FY 2007
**(concentrations in µg/L)**

| Constituent | MCL | Trip Blank (cont'd) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jul-07 | Jul-07 | Jul-07 | Aug-07 | Aug-07 | Aug-07 | Aug-07 | Aug-07 | Sep-07 | Sep-07 | Sep-07 | Sep-07 | Sep-07 |
| **Aromatic and Non-Halogenated Hydrocarbons** | | | | | | | | | | | | | | |
| Benzene | 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 |
| 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 | <1 | <1 | <1 | <1 | <1 | <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 |
| 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 |
| 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 | <1 | <1 | <1 | <1 |
| 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 | <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 |
| Chloroform | 80 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 |
| Dibromochloromethane | 80 | <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 |
| 1,2-Dichloroethane | 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 | <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 |
| trans-1,2-Dichloroethene | 10 | <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 |
| Tetrachloroethene | 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 | <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 |
| Trichloroethene | 5 | <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 |
| Vinyl Chloride | 0.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Halogenated Hydrocarbons | | | | | | | | | | | | | | |
| Total Concentration of VOCs | | | | | | | | | | | | | | |

MCL: Maximum contaminant level for drinking water (determined by California DHS)
All analyses by LBNL EML unless otherwise noted
* = Analysis by BC Laboratories

< = Less than Quantitation Limit
= Compound not included in analysis