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FINAL
SITES 1 AND 3 AND EASTERN PLUME MONITORING EVENT 24 REPORT
APRIL 2004

Naval Air Station
Brunswick, Maine

Prepared for

Department of the Navy
Engineering Field Activity Northeast
Naval Facilities Engineering Command
North Loop & American Way, Building G
Code 182
Lester, Pennsylvania 19113-2090

Contract No. N62472-02-D-0810
Contract Task Order No. 007

June 2005

Prepared by

Environmental Chemical Corporation
50 D'Angelo Drive
Marlborough, MA 01752

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TABLE OF CONTENTS

1.0 PROJECT ACTIVITIES AND MONITORING EVENT RESULTS 1-1
1.1 Introduction 1-1
1.2 Project Background 1-1
1.3 Long Term Monitoring Program 1-3
1.4 Measurement of Water Level Elevations 1-4
1.5 Groundwater Monitoring, Sampling, and Analysis 1-5
1.6 Surface Water, Leachate Station Seep, and Leachate Station Sediment Sampling and Analysis 1-7
1.7 Water Quality Indicator Parameter Measurements 1-8
1.8 Laboratory Results – Analytical Data 1-8
1.8.1 Groundwater Samples at Sites 1 and 3 and Eastern Plume 1-9
1.8.2 Groundwater Extraction and Treatment System 1-9
1.8.3 Monitored Natural Attenuation Parameters 1-9
1.8.4 Surface Water Samples at Sites 1 and 3 and Eastern Plume 1-9
1.8.5 Leachate Seep Samples at Sites 1 and 3 and Eastern Plume 1-9
1.8.6 Leachate Sediment Samples at Sites 1 and 3 1-10
1.8.7 Sediment Samples at Eastern Plume 1-10
1.9 Landfill Inspection 1-10
1.10 Quality Assurance and Quality Control 1-10
1.11 Analytical Data Quality Review 1-11

2.0 TEMPORAL TRENDS AND OBSERVATIONS 2-1
2.1 Groundwater Extraction and Treatment System Performance Summary 2-1
2.2 Water Level Gauging Program 2-3
2.3 Groundwater Monitoring and Sampling Program 2-4
2.3.1 Sites 1 and 3 – Volatile Organic Compounds 2-4
2.3.2 Sites 1 and 3 – Metals 2-5
2.3.3 Eastern Plume – Volatile Organic Compounds 2-7
2.4 Surface Water, Seep, Sediment, and Seep Sediment Sampling Program 2-11
2.4.1 Surface Water 2-11
2.4.2 Leachate Seep 2-12
2.4.3 Sediment 2-14
2.4.4 Leachate Seep Sediment 2-15
2.5 Monitored Natural Attenuation Sampling Program 2-17
2.5.1 Eastern Plume 2-18
2.5.2 Natural Attenuation Screening Process 2-22
2.5.3 Natural Attenuation Summary and Conclusion 2-23

3.0 LONG TERM MONITORING CONCLUSIONS AND RECOMMENDATIONS 3-1
3.1 Conclusions and Recommendations 3-1
3.2 Long-Term Monitoring Objectives 3-4

4.0 REFERENCES 4-1

LIST OF TABLES

Table 1	Summary of the Long-Term Monitoring Program at Sites 1 and 3
Table 2	Summary of the Long-Term Monitoring Program at Eastern Plume
Table 3	Monitoring Well Gauging Summary, Sites 1 and 3, April 2004
Table 4	Monitoring Well Gauging Summary, Eastern Plume, April 2004
Table 5	Groundwater Extraction and Treatment System Data (Building 50)
Table 6	Summary of Water Quality Indicator Parameters Measured in Low-Flow Groundwater Samples, Sites 1 and 3, April 2004
Table 7	Summary of Water Quality Indicator Parameters Measured in Low-Flow Groundwater Samples, Eastern Plume, April 2004
Table 8	Summary of Water Quality Indicator Parameters Measured after Aqueous Diffusion Groundwater Samples, Eastern Plume, April 2004
Table 9	Summary of Natural Attenuation Sampling Locations at Eastern Plume
Table 10	Summary of Water Quality Indicator Parameters Measured for Natural Attenuation Samples, Easter Plume, April 2004
Table 11	Summary of Water Quality Indicator Parameters Measured in Water Samples Collected from Extraction Wells and Treatment Plan, Eastern Plume, April 2004
Table 12	Summary of Water Quality Indicator Parameters Measured in Surface Water and Seep Samples, Sites 1 and 3, April 2004
Table 13	Summary of Water Quality Indicator Parameters Measured in Surface Water Samples, Eastern Plume, April 2004
Table 14	Summary of Aqueous Diffusion Samplers, April 2004
Table 15	Summary of Monitored Natural Attenuation Parameters Analysis on Groundwater Sampling at Selected Monitoring Well Locations, Eastern Plume, April 2004
Table 16	Natural Attenuation Analytical Parameters, Weighting, and Interpretation for Groundwater
Table 17	Results of Natural Attenuation Parameter Screening in Groundwater Data, April 2004

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Long-Term Monitoring Network
Figure 4	Long-Term Monitoring Gauging Locations
Figure 5	Long-Term Monitoring Sampling Locations
Figure 6	Interpreted Shallow Groundwater Potentiometric Surface Contour Map, April 2004
Figure 7	Interpreted Deep Groundwater Potentiometric Surface Contour Map, April 2004
Figure 8	Extraction Well Detail Map, Deep Potentiometric Surface, April 2004
Figure 9	Interpreted Total Volatile Organic Compound Concentration Contour Map, Shallow Wells, Monitoring Event 24, April 2004
Figure 10	Interpreted Total Volatile Organic Compound Concentration Contour Map, Deep Wells, Monitoring Event 24, April 2004
Figure 11	Proposed Shallow and Deep Monitoring Well Locations for Natural Attenuation Study
Figure 12	PCE, TCE, and 1,1,1-TCA Concentration Isocontours
Figure 13	1,1-DCA, 1,2-DCE, and Methane Concentration Isocontours
Figure 14	Isocontours of Monitored Natural Attenuation Scoring

LIST OF APPENDICES

Appendix A	Response to Comments from the Regulators on the Draft Report
Appendix B	Laboratory Analytical Data Summary Tables
Appendix C	Temporal Trend Graphs
Appendix D	Analytical Data Quality Review
Appendix E	Field Monitoring and Sampling Forms
Appendix E.1	Sites 1 and 3
Appendix E.2	Eastern Plume
Appendix F	Engineering Inspection Report
Appendix G	Analytical Report Form I Data Sheets

LIST OF ABBREVIATIONS AND ACRONYMS

4,4'-DDD	Dichlorodiphenyldichloroethane
4,4'-DDT	Dichlorodiphenyltrichloroethane
BTEX	benzene, toluene, ethylbenzene, and xylenes
°C	degrees Celsius
ECC	Environmental Chemical Corporation
EFANE	Engineering Field Activity Northeast
EPA	U.S. Environmental Protection Agency
EW	extraction wells
GWETS	groundwater extraction and treatment system
LTMP	Long-Term Monitoring Plan
MCL	maximum contaminant levels
MEDEP	Maine Department of Environmental Protection
MEG	maximum exposure guideline
µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
mg/kg	milligram per kilogram
mg/L	milligrams per liter
MNA	monitored natural attenuation
mV	millivolt
MW	monitoring well
NAS	Naval Air Station
NTU	nephelometric turbidity units
NWQC	National Recommended Water Quality Criteria
P	piezometers
PCE	tetrachloroethene
ROD	Record of Decision
SDWR	Secondary Drinking Water Regulations
SM	Standard Method
SWQC	Statewide Water Quality Criteria
1,1-DCA	1,1-Dichloroethane
1,2-DCE	1,2-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethene
TCE	Trichlorethene
VOC	volatile organic compounds
YSI	Yellow Springs Instrument

1.0 PROJECT ACTIVITIES AND MONITORING EVENT RESULTS

This section describes the Naval Air Station (NAS), Brunswick, Maine project background, long-term monitoring plan, and the Monitoring Event 24 measurement of water level elevations, groundwater monitoring, sampling, and analysis completed in April 2004. It also describes the project visual inspections, quality assurance and quality control processes, and an analytical data review of the April 2004 monitoring event.

1.1 Introduction

Under Contract No. N62472-02-D-0810, Contract Task Order No. 007, Engineering Field Activity Northeast, Naval Facilities Engineering Command contracted with Environmental Chemical Corporation (ECC) to perform long-term monitoring at Sites 1 and 3 and Eastern Plume at NAS Brunswick, Maine. NAS Brunswick is located south of the Androscoggin River between Brunswick and Cooks Corner, Maine. The locations of Sites 1 and 3 and Eastern Plume are provided on Figure 1. The site plan for Sites 1 and 3 and Eastern Plume is provided on Figure 2.

This report provides results for Monitoring Event 24 completed in April 2004. Section 1 describes the activities completed during this monitoring event and results of these events. Monitoring Event 24 was conducted in accordance with the current Long-Term Monitoring Plan (LTMP) (EA 2000a). Temporal trends and other observations based on data collected during bi-annual monitoring are presented in Section 2. Long term monitoring conclusions and recommendations are provided in Section 3; and project references are listed in Section 4. Appendix A provides completed response to comments from Maine Department of Environmental Protection (MEDEP) and U.S. Environmental Protection Agency (EPA) on the draft report (to be provided with the final version). Appendix B contains the laboratory analytical data summary (Tables B-1 through B-23). Appendix C provides temporal trend graphs of analytical results of the Long-Term Monitoring Program. Appendix D provides an analytical data quality review. Appendix E provides field monitoring and sampling forms. Appendix F provides the engineering inspection report. Appendix G provides complete analytical report Form I laboratory data tables.

1.2 Project Background

At Sites 1 and 3 and Eastern Plume, the Navy is performing long-term monitoring, maintenance, and corrective measures as part of the long-term remedial actions required by the: (1) Record of Decision (ROD) for a Remedial Action for Sites 1 and 3 (ABB-ES 1992); (2) ROD for No Further Action at Sites 4, 11, and 13; and (3) Remedial Action for the Eastern Plume (ABB-ES 1998). In 1994, a LTMP was established for Sites 1 and 3 and Eastern Plume (ABB-ES 1994). A draft revision to the 1994 LTMP was issued in October 1998 (EA 1998); a draft final version was issued in June 1999 (EA 1999) after Monitoring Event 14. The current final version of the LTMP (EA 2000a) establishes the monitoring and sampling requirements for Sites 1 and 3 and Eastern Plume and has been used since Monitoring Event 15. The Final LTMP document was issued in February 2000 (EA 2000a) and was used for the current monitoring event with modifications based upon technical meetings.

Remedial actions at Sites 1 and 3 included construction of a low permeability slurry wall upgradient and surrounding two disposal trenches to a depth of approximately 90 feet, construction of a low permeability cap atop the landfill, and placement of two groundwater extraction wells (EW-06 and EW-07) within the landfill limits. Extraction wells (EW) within the landfill limits were deactivated on 19 November 1997 due to continually decreasing yields and stabilized water levels within the confines of the slurry wall. The source of the Eastern Plume has been identified as Sites 4, 11, and 13 (ABB-ES 1998). Groundwater in the Eastern Plume is being remediated by a treatment system consisting of four groundwater extraction wells designed to provide hydraulic control of the aquifer, and a treatment plant to remove volatile organic compounds (VOCs) from the groundwater prior to discharge. Partial hydraulic control has been established.

The extraction system has been operational since June 1995 and has undergone changes to improve operational efficiency. Extraction well EW-02A, located within the Eastern Plume in the vicinity of monitoring well (MW) MW-311, was activated on 12 June 1998 to provide additional VOC removal and hydraulic control in this area. On 27 September 2000, extraction well EW-02 was removed from service and decommissioned. Extraction well EW-03 is no longer operational and was removed from service in December 1998 and decommissioned on 27 September 2000. One replacement extraction well (EW-05A) was installed during September 2000 and brought on-line on 10 January 2001. EW-05 was removed from service and decommissioned on 17 January 2001. On 11 September 2001, the extraction well network and treatment plant were ordered shut down by the Commanding Officer of NAS Brunswick. During the 1 October 2001 project conference call between the Navy, MEDEP, and EPA remedial project managers, it was agreed that the extraction well network and treatment plant would remain off-line until completion of the Fall 2001 Long-Term Monitoring Program. The extraction well network and treatment plant were placed back in service on 13 November 2001. The extraction well network and treatment plant had been off-line for a total of 63 days.

In 2001, Foster Wheeler Environmental Corporation designed and constructed the Infiltration Gallery at Site 11. Beginning in February 2002, the treated effluent from the groundwater extraction and treatment system (GWETS) was directed to the Infiltration Gallery. Up until February 2002, the GWETS effluent was discharged to the Brunswick Sewer District in accordance with the limits established in the discharge permit. This change of discharge location was preceded by an Explanation of Significant Difference in December 2000. In addition to the effluent discharge location changing, the Explanation of Significant Difference also presented and documented the treatment equipment change. The original GWETS remedial technology used ultraviolet oxidation, however, it was changed to air stripping with granular activated carbon polishing of the treated effluent during 2000. During the first quarter of 2000, the GWETS treated effluent continued to be discharged to the Brunswick Sewer District.

Monthly GWETS operations reports were provided to the Brunswick Sewer District by the Navy summarizing additional details related to treatment plant operations and maintenance. However, after the GWETS Infiltration Gallery went on-line in February 2002, monthly reports were no longer provided to the Brunswick Sewer District. Monthly reports are still generated and are provided to MEDEP and EPA on a monthly basis.

Figure 3 shows the long-term monitoring network, Figure 4 shows long-term monitoring locations where gauging is conducted, and Figure 5 shows points where long-term monitoring samples are collected, as specified in the current LTMP (EA 2000a) and the draft Diffusion Sampler Proposal (EA 2003a). The sampling and gauging points at Sites 1 and 3 and Eastern Plume are summarized in Tables 1 and 2, respectively.

A pilot study was conducted at select monitoring wells sampled and analyzed for LTMP Target Compound List VOCs to assess whether aqueous diffusion samplers can be used effectively as an alternative to the low-flow sampling method at Sites 1 and 3 and Eastern Plume. This proposal contained specific information on the location and placement of each aqueous diffusion sampler in individual monitoring wells as discussed and agreed upon by stakeholders in the October 2002 Technical Meeting.

On 12 March 2003, the draft Diffusion Sampler Proposal (EA 2003a) was submitted to the Sites 1 and 3 and Eastern Plume LTM program stakeholders. This document indicated that aqueous diffusion samplers can be used effectively as an alternative to the low-flow sampling method. Aqueous diffusion samplers are to be deployed in specific monitoring wells at Sites 1 and 3 and Eastern Plume. Low-flow sampling will no longer be required for the collection of VOCs groundwater samples at these monitoring wells.

Beginning with the October 2003 long-term monitoring event, the Navy tasked ECC to gauge, collect, and analyze samples from Sites 1 and 3 and the Eastern Plume as per the LTMP (EA 2000a). The Navy tasked EA with completing a data quality review screening of the analytical data and generating the monitoring event report. In April 2004, the Navy increased ECC's task to include preparation of the monitoring event reports with EA providing database support.

1.3 Long Term Monitoring Program

The LTMP document, which is comprised of a Long-Term Monitoring Program (EA 2000a); Quality Assurance Project Plan (EA 2000b); Safety, Health, and Emergency Response Plan; and remedial construction technical specifications, establishes the monitoring/sampling requirements for Sites 1 and 3 and Eastern Plume. The objective of the Long-Term Monitoring Program is to obtain data necessary to monitor the long-term effectiveness of the remedial actions conducted at Sites 1 and 3 and Eastern Plume.

The remedial action objectives for Sites 1 and 3, as stated in the 1992 ROD for a Remedial Action at Sites 1 and 3 (ABB-ES, 1992), are to:

- Reduce the generation and migration of contaminated groundwater;
- Reduce the potential risk associated with ingestion of contaminated groundwater;
- Minimize future negative impacts to Mere Brook and the sediment in the leachate seeps resulting from the discharge of contaminated groundwater and leachate; and
- Reduce the concentrations of metals (iron and zinc) discharge to Mere Brook.

The remedial action objectives for the Eastern Plume as stated in the 1998 ROD for No Future Action at Sites 4, 11, and 13 and a Remedial Action for the Eastern Plume, are to:

- Minimize further migration of the Eastern Plume;
- Minimize any further negative impact to surface water resulting from discharge of contaminated groundwater;
- Reduce the potential risk associated with ingestion of contaminated groundwater to acceptable levels; and
- Restore the aquifer.

Monitoring and sampling data collected during the performance of long-term monitoring in accordance with the RODs are being used to:

- Assess the ambient water quality conditions (groundwater and surface water) by collecting samples to monitor trends and assess effectiveness of remedial actions;
- Evaluate the effectiveness of the groundwater extraction system by assessing trends in the concentration of VOCs in groundwater within the boundaries of the Eastern Plume, and provide recommendations to improve system effectiveness;
- Evaluate the effectiveness of the landfill cap and slurry wall by evaluating trends in LTMP VOCs and LTMP Target Analyte List metals in surface water, groundwater, sediment, and leachate station seep samples within and adjacent to Sites 1 and 3; and
- Analyze the effective capture zone of the groundwater extraction system at Sites 1 and 3 and Eastern Plume to determine the degree of hydraulic control achieved through remedial pumping.

1.4 Measurement of Water Level Elevations

Water level measurements for Monitoring Event 24 were collected on 6 and 7 April 2004 at the monitoring wells, piezometers, and surface water gauging locations indicated in Tables 1 and 2 for Sites 1 and 3 and Eastern Plume, respectively. Figure 4 provides the locations of groundwater monitoring wells, piezometers, extraction wells, and surface water gauging stations where water elevation data were collected. Sampling and gauging procedures are detailed in the current LTMP (EA 2000a). These gauging locations were used to interpret the groundwater potentiometic surfaces.

Groundwater elevation data recorded on 6 and 7 April 2004 are provided in Tables 3 and 4 for Sites 1 and 3 and Eastern Plume, respectively. Surface water gauging station data are included in Table 4. Daily pumping rates for each extraction well for the period of April 2004 (which may affect groundwater potentiometric surface elevations) are provided in Table 5. Shallow and deep potentiometric surface contour maps were prepared based on the water level data collected on 6 and 7 April 2004 (Figures 6 and 7). The shallow potentiometric surface contour maps are based upon data from wells and piezometers screened in the upper stratified silt and sand unit, while the deep potentiometric surface contour maps are based on data from wells and piezometers screened in the lower sand unit. The shallow interval is under unconfined conditions, while the deep interval is considered to be under semi-confined conditions due to the presence of the transition unit above and the Presumscot Clay. The distinction between shallow and deep potentiometric surfaces was made to reflect differences in potentiometric head

observed at depth in wells located across Sites 1 and 3 and Eastern Plume, and to assess differing flow patterns that may be present in shallow and deep intervals. The interpreted groundwater flow direction for the 6 and 7 April 2004 gauging event is shown on Figure 6 for the shallow portions of the aquifer, and Figure 7 for the deep portions of the aquifer.

Monitoring wells MW-210A, MW-210R, and MW-211A located at Sites 1 and 3, and MW-308 and MW-309A in the Eastern Plume, are screened in bedrock at significantly lower depths than the "deep" overburden wells. Consistent with previous monitoring events, the measured water elevations at these bedrock wells showed differing water elevations compared to nearby wells screened in the deep overburden; therefore, data for these bedrock wells were not used in the development of overburden potentiometric surface contour maps. However, MW-309B, a shallow bedrock well, is currently considered to be representative of the deep flow system, and is included on deep potentiometric surface map (Figure 7).

Monitoring well locations are secured with locks, and monitoring points are labeled. The Field Record of Well Gauging Forms completed during the well gauging events is provided in Appendix E. Section 2.2 of this report discusses water level elevation temporal trends and observations.

1.5 Groundwater Monitoring, Sampling, and Analysis

The groundwater sampling event was completed between 8 and 22 April 2004 in accordance with the general methodologies established in the current LTMP (EA 2000a) and general methodologies for installation and collection of aqueous diffusion samples per the draft Diffusion Sampler Proposal (EA 2003a). 1,4-Dioxane was added in the database determination of total LTMP VOCs. Note that 1,4-dioxane is not a historical LTMP VOC, and that its inclusion has impacted data comparability. 1,4-Dioxane in future reports will not be included in the determination of total (LTMP) VOCs. Instead 1,4 dioxane will be called out and discussed as a constituent requested by the stakeholders in select monitoring wells.
Grundfos Redi-Flo2 stainless steel and Teflon® submersible pumping system were utilized at MW-323 and at monitoring well locations requiring collection of monitored natural attenuation parameters to permit sampling using low-flow sampling techniques. Two piezometers (P-106 and P-111) located in the Eastern Plume were sampled using a peristaltic pump due to small diameter well casings.

At Sites 1 and 3, groundwater samples were collected from eight of the monitoring wells via low-flow sampling techniques (Table 6) specified in the current LTMP (EA 2000a). Monitoring well 217B is located within the Sites 1 and 3 landfill, which has engineering controls (i.e., low permeability cap and slurry wall) in place to prevent infiltration. Therefore, the lack of available groundwater at this sample location is not unexpected; and this monitoring well was pumped dry and was slow to recharge. The Navy is planning to install three nested monitoring wells in the vicinity of the gap in the slurry wall. Although MW-217B will not be replaced these new wells will be adjacent to MW-217B.

At the Eastern Plume, groundwater samples were collected via the low-flow sample method from one well and two piezometers as specified in the current LTMP (EA 2000a) and the draft Diffusion Sampler Proposal (EA 2003a). Four extraction wells were also sampled directly from the well head. A total of 31 monitoring wells and two piezometers were additionally sampled utilizing the aqueous diffusion samplers as described in previous phases of the Brunswick Pilot Study (EA 2000b). Tables 7 and 8 summarize the low-flow and diffusion samples collected, respectively. Additionally, groundwater samples were collected and analyzed for non-LTMP monitored natural attenuation (MNA) parameters from 32 monitoring wells and two piezometers using low-flow sampling techniques, as required by the MNA technical letter (EA 2004). The MNA samples were collected from select Eastern Plume LTMP monitoring wells and piezometers, as well as other monitoring wells not included in the LTMP lists. MNA sample locations concurrent with an LTMP sample location were sampled by aqueous diffusion samplers for VOCs and by low-flow sampling techniques non-VOC MNA parameters.

The GWETS was operational for 72.69 percent of available hours in the period from November 2003 to April 2004 (Table 5). The operational percentage value is obtained from the monthly GWETS reports. The reasons for operational interruptions and a statement of the corrective actions taken are provided in the GWETS monthly operations reports. Figure 8 provides the extraction well detail map showing the deep potentiometric surface.

Groundwater samples collected during monitoring event 24 were analyzed by Accutest, a State of Maine Department of Human Services-certified laboratory located in Marlborough, Massachusetts (Certification No. MA136). Accutest is a Naval Facilities Engineering Service Center-approved laboratory.

LTMP groundwater samples collected from Sites 1 and 3 and Eastern Plume were submitted for the following analysis:

- LTMP Target Compound List VOCs by EPA Method 8260B
- LTMP Target Analyte List elements (Sites 1 and 3 landfill), including:
  - Metals by inductively coupled plasma/atomic emission spectroscopy (EPA Method 6010B)
  - Mercury by cold vapor atomic absorption (EPA Method 7470A/7471A)

To assess whether geochemical conditions may be favorable for natural attenuation of chlorinated VOCs, selected wells in the Eastern Plume were analyzed for natural attenuation parameters. This sampling was not required by the LTMP but was collected to provide initial data regarding the likelihood of natural degradation of chlorinated VOCs. Table 9 provides a list of the monitoring wells and piezometers that were sampled during Monitoring Event 24 for monitored natural attenuation parameters. Table 10 provides a summary of the water quality indicator parameters measured in monitored natural attenuation samples from the Eastern Plume.

Groundwater sampling for monitored natural attenuation parameters was completed between 13 and 22 April 2004 in accordance with the general methodologies established in the MNA technical letter (2004 EA) and the current LTMP (EA 2000a). Dedicated and non-dedicated Grundfos Redi-Flo2 stainless steel and Teflon® submersible pumping system were utilized for

sampling using low-flow sampling techniques. Two piezometers (P-106 and P-111) located in the Eastern Plume were sampled using a peristaltic pump due to small diameter well casings.

Natural attenuation samples were analyzed by Accutest, located in Marlborough, Massachusetts. Accutest is a Naval Facilities Engineering Service Center-accepted laboratory. Monitored natural attenuation groundwater samples collected from the Eastern Plume were submitted for the following analysis:

- Dissolved gas (methane, ethane, and ethene) – Analyzed using EPA Region 1 Methane, Ethane, and Ethene Method;
- Total selected metals (arsenic, iron, and manganese) –Analyzed using SW-846 Method 6020; and
- General Chemistry – Analyzed for alkalinity (EPA Method 310.1), chloride (EPA Method 325.3), nitrate plus nitrite (EPA Method 353.2), nitrite (EPA Method 354.1), sulfate (EPA Method 375.4), Ferrous iron (SM 3500 Fe D), and total organic carbon (EPA Method 415.1).

Section 2 discusses groundwater sampling results and temporal trends. Appendix B provides a summary of analytical results for groundwater samples collected at sites 1 and 3 and Eastern Plume. Appendix F contains the engineering inspection report. Appendix H contains laboratory Form I reports. Figures 3, 4, and 5 provides the location of the groundwater monitoring wells.

1.6 Surface Water, Leachate Station Seep, and Leachate Station Sediment Sampling and Analysis

Samples were collected in accordance with the general methodologies established in the current LTMP (EA 2001a) with the exception of the collection, preservation, and analysis of sediment samples using EPA Method 5035.

The following types of samples were collected at Sites 1 and 3 between 12 and 22 April 2004:

- Surface water;
- Leachate seep; and
- Leachate seep sediment.

The following types of samples were collected at the Eastern Plume on 8 April 2004:

- Surface water; and
- Leachate seep.

Samples were analyzed by Accutest. Surface water leachate seep, and leachate seep sediments (sediments only sampled during the September monitoring event) at Sites 1 and 3 and surface water and seep samples at the Eastern Plume were collected for the following analysis:

- LTMP Target Compound List VOCs by EPA Method 8260B;
- LTMP Target Analyte List metals by EPA Method 6010/7000; and
- Pesticides by EPA Method 8081A.

1.7 Water Quality Indicator Parameter Measurements

Water quality indicator parameters (Tables 10, 12, and 15) and turbidity, were monitored to ensure stabilization of water quality prior to sample collection via low-flow sampling from monitoring wells or piezometers. Stabilization of water quality indicator parameters was considered achieved when measurements agreed to within 10 percent on three successive readings and turbidity was below 10 nephelometric turbidity units. A Yellow Springs Instrument (YSI) 6820 water quality meter was utilized to collect water quality data through a flow cell.

Surface water and leachate seep sample water quality indicator parameters were recorded immediately following (within 10 minutes) the collection of these samples. The ten minute interval is the time required to remove the diffusion sampler and transfer the groundwater sample into sterile glassware for analyses. A YSI 6820 water quality meter was utilized to collect water quality data by gently placing the water quality meter into the media. After the water quality indicator parameters stabilized, one set of readings was recorded on the field forms.

At monitoring wells where diffusion samples were collected, water quality indicator parameters were recorded immediately following removal of the diffusion samplers. A YSI 600XL water quality meter was utilized to collect water quality data downhole (YSI 600XL water quality meters do not record turbidity).

Results of water quality indicator parameter monitoring at the time samples were collected are summarized in Tables 6 and 7 for groundwater samples collected using low-flow sampling methods at Sites 1 and 3 and Eastern Plume, respectively. Table 8 summarizes the results of water quality parameters collected following the removal of the aqueous diffusion samplers. Water quality indicator parameters measured at the time the water samples were collected from extraction wells, the treatment plant combined influent, and the treated effluent samples are summarized in Table 11. Tables 12 and 13 summarize water quality indicator parameters for surface water and seep samples collected from Sites 1 and 3 and Eastern Plume, respectively. The Field Record of Well Gauging, Purging, and Sampling forms and Field Record of Surface Water/Sediment Sampling forms are provided in Appendix E.

1.8 Laboratory Results – Analytical Data

The following seven sections provide laboratory results for:

1) groundwater samples;
2) groundwater extraction and treatment system;
3) monitored natural attenuation parameters;
4) surface water samples;
5) leachate seep samples;
6) leachate sediment samples; and
7) sediment samples. Appendix B presents summary tables of these results.

1.8.1 Groundwater Samples at Sites 1 and 3 and Eastern Plume

Table 1 (Site 1 & 3) and Table 2 (Eastern Plume) present the monitoring well lists of designated shallow and deep monitoring wells that are sampled and whose select results are reported on Figure 9 (shallow) and Figure 10 (deep). Table 3 (Site 1&3) and Table 4 (Eastern Plume) present lists of monitoring well lists of designated shallow and deep monitoring wells that are gauged and used to prepare the potentiometric contour maps presented in Figure 6 (shallow interval) and Figure 7 (deep interval). Tables B-1, B-2, and B-3 provide summaries of the analytical results for the groundwater samples collected at Sites 1 and 3 and Eastern Plume. Laboratory Form I reports are provided in Appendix H. Table 14 presents a summary of the aqueous diffusion pilot study results. Section 2.3 discusses long-term trends in groundwater sample results.

The reported total VOC concentrations and interpreted groundwater isoconcentration contours for wells screened in the shallow interval at Sites 1 and 3 and Eastern Plume are shown on Figure 9.

The reported total VOC concentrations and interpreted groundwater contours for wells screened within the deep interval at Sites 1 and 3 and Eastern Plume are shown on Figure 10.

1.8.2 Groundwater Extraction and Treatment System

Table B-4 provides a summary of the VOCs detected in groundwater extraction wells, treatment system influent, and treatment system combined effluent samples collected at the GWETS. Laboratory data Form I reports are provided in Appendix H.

1.8.3 Monitored Natural Attenuation Parameters

Table B-5 provides a summary of the monitored natural attenuation parameters collected for the Eastern Plume. Laboratory data Form I reports are provided in Appendix H.

1.8.4 Surface Water Samples at Sites 1 and 3 and Eastern Plume

Tables B-6, B-7, and B-8 provide summaries of the VOCs and Target Analyte List elements reported in surface water samples collected at Sites 1 and 3 and Eastern Plume. Laboratory Form I reports are provided in Appendix H. Section 2.4 discusses surface water sample results and temporal trends.

1.8.5 Leachate Seep Samples at Sites 1 and 3 and Eastern Plume

Tables B-9, B-10, and B-11 provide summaries of the constituents reported in leachate seep samples collected at Sites 1 and 3 and Eastern Plume. Laboratory Form I reports are provided in Appendix H. Section 2.4 discusses leachate seep sample results and temporal trends.

1.8.6 Leachate Sediment Samples at Sites 1 and 3

Tables B-12 and B-13 provide summaries of the constituents reported in the leachate seep sediment samples collected at Sites 1 and 3. Laboratory Form I reports are provided in Appendix H. Section 2.4 discusses leachate seep sample results and temporal trends.

1.8.7 Sediment Samples at Eastern Plume

Tables B-14, B-15, B-16, B-17, and B-18 provide summaries of the constituents reported in the sediment samples collected at the Eastern Plume. Laboratory Form I reports are provided in Appendix H. Section 2.4 discusses sediment sample results and temporal trends.

1.9 Landfill Inspection

The engineering inspection of the landfill cap and appurtenances was conducted on 22 April 2004. A copy of the engineering inspection report is included in Appendix F. The following significant observations were noted:

- Animal burrows and small shrubs were noted in mounding adjacent to landfill gas vent concrete encasements. Because vent bases are encased in concrete and are above ground surface, burrows do not present an imminent risk to cap integrity. Borrows and shrubs should be monitored in upcoming inspections and removed if warranted.

- Drainage structures, including stormwater detention basin, culverts, and catch basins, appeared in good condition and functioning well.

- The access road is in good condition.

- The slope appears in good condition with thick vegetation present in soil areas and rip rap intact in drainage areas.

The observations described above are relatively minor and no significant deficiencies were noted that are likely to affect the use of gas vents or jeopardize the landfill cap or associated appurtenances.

1.10 Quality Assurance and Quality Control

A rigorous quality assurance/quality control program is required to meet the data quality objectives of the groundwater sampling program, as outlined in the Quality Assurance Project Plan contained in the LTMP (EA 2001a). The data obtained during the April 2004 sampling event were determined to be of sufficient quality and usable to evaluate groundwater quality and achievement of LTMP objectives at Site 1&3 and Eastern Plume. Appendix D summarizes quality control sample results.

1.11 Analytical Data Quality Review

As required by the Quality Assurance Project Plan contained in the LTMP (EA 2000a), a review of laboratory data was performed on selected quality control parameters to evaluate precision, accuracy, representativeness, completeness, and comparability and data quality objective requirements. A summary of the analytical data quality review for chemical data is provided in Appendix D. With consideration of the data qualifiers and notes provided in Appendix D, the data represented in this report were found to meet specified acceptance criteria, and therefore represent data in compliance with the Quality Assurance Project Plan (EA 2000a). Method detection limits for sediment and aqueous media are included in Appendix D.

2.0 TEMPORAL TRENDS AND OBSERVATIONS

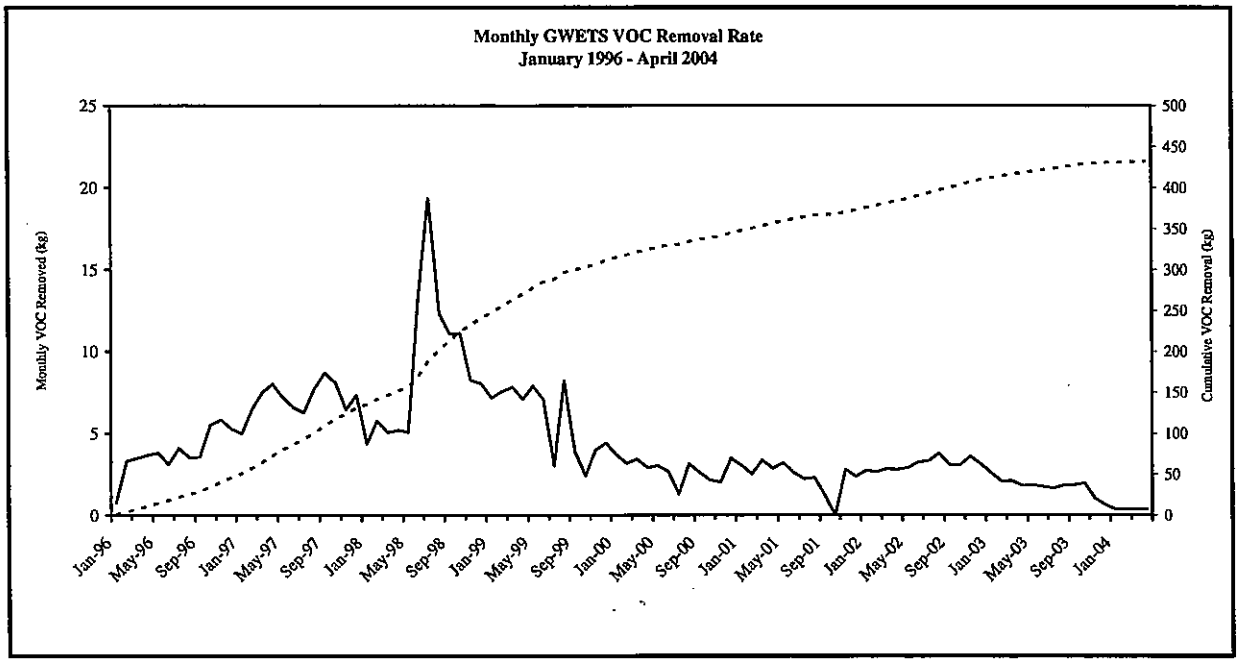
This section describes observations and trends in site water-level gauging results, field monitoring results, and laboratory analytical results.

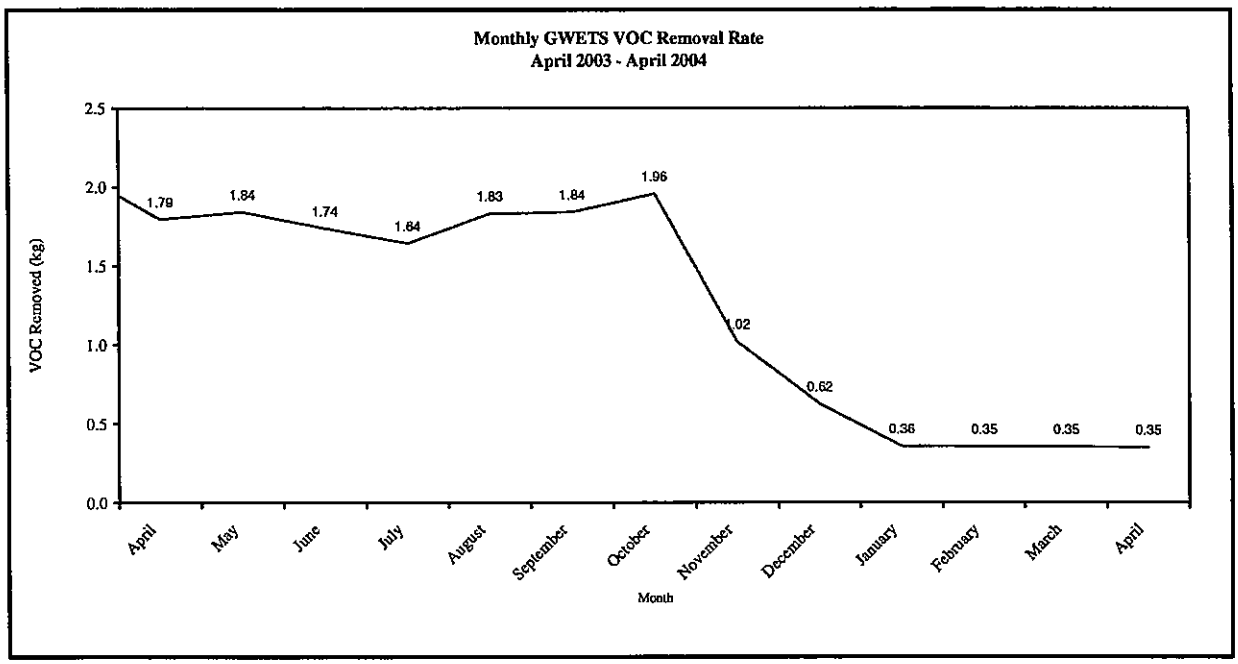
2.1 Groundwater Extraction and Treatment System Performance Summary

The GWETS operated continuously through April 2004 with the exception of brief periods when the system was off-line for maintenance, power outages, and system testing (as described in the monthly operation reports). Table 5 summarizes the monthly flow rates for the four extraction wells (EW-01, EW-02A, EW-04, and EW-05A).

Extraction wells EW-01, EW-02A, and EW-05A were operational during the majority of time since the last monitoring event (October 2003) with minor exceptions related to routine maintenance or power interruptions. However, EW-04A was offline for 172 days of the 181 day period from November 2003 to April 2004. Three of the original extraction wells have been deactivated and/or replaced. Extraction well EW-02 was permanently deactivated on 27 September 2000 after being replaced by EW-02A. Extraction well EW-03 has remained inactive since identification of the well screen failure in December 1998, and extraction well EW-05 was deactivated on 17 January 2001 after being replaced by EW-05A.

The two charts below summarize VOC removal rates achieved by the extraction wells in the Eastern Plume during the period January 1996 – April 2004 and the monthly VOC removed through April 2004. Concentrations of VOCs are based on laboratory analytical data provided in the monthly operations and maintenance reports for the GWETS. The mass of VOCs removed was calculated based on the sum of the detected concentrations of the nine VOCs included in the treatment plant operating permit issued by the Brunswick Sewer District in December 1994 (total VOC removal is likely to be greater than shown). Although not expected to be significant, the calculated mass of VOCs removed is likely to be greater than shown because the total VOC results do not include the VOCs recorded in the treatment plant influent.





The decrease in monthly VOC removal from September through November 2001 is a result of the GWETS being shut down on 11 September 2001 by order of the Commanding Officer of NAS Brunswick. The extraction well network and treatment plant were placed back in service on 13 November 2001.

The monthly VOC removal rates for November 2003 through April 2004 ranged from approximately 0.3 to 1.0 kg per month. The cumulative VOC mass removed from the Eastern Plume since the extraction system began operation is approximately 440 kg. The large drop in monthly VOC removal rates was due to EW-04A being offline.

Data from the effluent samples collected between 1 November 2003 and 30 April 2004 indicated no violations of permit discharge limits established by the Brunswick Sewer District.

2.2 Water Level Gauging Program

Water level measurements from the wells and piezometers were obtained during the April 2004 monitoring event at the locations indicated in Tables 1 and 2 for Sites 1 and 3 and Eastern Plume, respectively. Gauging was performed in accordance with the LTMP (ABB-ES 1994; EA 2000a). Figures 3 and 4 provide the locations of monitoring/gauging points that comprise the long-term monitoring network at Sites 1 and 3 and Eastern Plume. A summary of water elevations is presented in Tables 3 and 4.

At Sites 1 and 3, a comparison of water elevation data collected during long-term monitoring indicates water elevations have decreased in the vicinity of the slurry wall due to active pumping and placement of the slurry wall and landfill cap (Figures 6 and 7). In general, between Monitoring Events 23 and 24, the groundwater elevations decreased slightly. The deepest known elevation of the bottom of waste material at Sites 1 and 3 has been reported to be 31.59 ft Above Mean Sea Level (well MW-216A). Interpretive potentiometric surface maps were developed from the data collected during this monitoring event and are provided as Figures 6 and 7. In addition, water elevations within the Sites 1 and 3 landfill for deep and shallow wells are presented in Appendix G, which graphically illustrate that the water level within the landfill slurry wall has remained consistent.

Project stakeholders agreed during the 9 October 2003 Technical Meeting to establish the following trigger elevations for each of the monitoring wells in the quarterly groundwater gauging program for the Sites 1 and 3 landfill:

Monitoring Location	Trigger Elevation (ft above MSL)	Monitoring Location	Trigger Elevation (ft MSL)
EP-17	35	EW-06	39
EP-18	35	EW-07	35
EP-19	35	MW-234R	33
EP-20	35		

2.3 Groundwater Monitoring and Sampling Program

This section provides a summary of groundwater sampling results and trends for Sites 1 and 3 and Eastern Plume. This summary focuses on the results for the groundwater sampling and analysis program based on the following criteria:

- Monitoring wells that exhibited increasing analyte concentrations over recent sampling events;
- Monitoring wells that exhibited decreasing analyte concentrations over recent sampling events;
- Monitoring wells that had analyte concentrations that previously exceeded State Maximum Exposure Guidelines (MEGs) and Federal Maximum Contaminant Levels (MCLs) and currently do not have exceedances; and
- Monitoring wells that had analyte concentrations that previously did not exceed MEDEP MEGs and Federal MCLs and currently exceed one or both of these the limits.

These criteria were used to identify trends that may indicate plume movements evidenced by increasing or decreasing concentrations of analytes. Trend graphs are provided in Appendix C. Appendix C.1 provides graphs illustrating VOC and metal concentrations above the State MEGs and Federal MCLs in shallow and deep wells at Sites 1 and 3. Appendix C.2 provides graphs illustrating VOC and metal concentrations above the State MEGs and Federal MCLs in shallow and deep wells at the Eastern Plume.

2.3.1 Sites 1 and 3 – Volatile Organic Compounds

- **Monitoring Well MW-202A** – A low-flow sample was collected from this well during the April 2004 monitoring event. Since 1996, total VOC concentrations have remained at or below approximately 300 microgram per liter (µg/L), and volatile contaminants of concern tetrachloroethene (PCE) (1.3 µg/L) and trichloroethene (TCE) (0.87 µg/L) have remained at or near non-detect levels.

- **Monitoring Well MW-217B** – A deep diffusion sample was collected from this well during the April 2004 monitoring event. In the deep diffusion sample, volatile concentrations for all of the contaminants of concern have decreased except 1,4-dichlorobenzene and vinyl chloride since Monitoring Event 23. Overall total VOC results increased from 3.7 to 45.54 µg/L. The concentration of 1,4-dichlorobenzene has increased from not detected to 21.6 µg/L. Vinyl chloride results (3.7 µg/L) have increased since Monitoring Event 23 and continue to exceed the State MEG (0.15 µg/L). Since 2001, deep aqueous diffusion sample results for VOCs have remained at similar concentrations.

  - **Other Monitoring Wells** – The following monitoring wells have not had significant changes in VOCs trend or analyte concentrations in recent monitoring events through the April 2004 sampling event: MW-203, MW-204, MW-218, MW-219, MW-240, and MW-2101.

2.3.2 Sites 1 and 3 – Metals

- **Monitoring Well MW-202A** – During the April 2004 sampling event, concentrations of arsenic, barium, chromium, and nickel have decreased since the last monitoring event, while the concentrations of sodium and manganese have increased. Concentrations of aluminum and lead have remained similar since the last monitoring event. Historical concentration trends of arsenic, chromium, and lead have remained below approximately 5.5 µg/L and aluminum concentrations have remained at or near non-detect.

  Metals that have no Federal MCL or fall under the Federal Secondary Drinking Water Regulations (SDWRs) such as calcium, manganese, magnesium, iron, sodium, and potassium have remained similar since the last monitoring event. SDWRs are non-enforceable Federal guidelines for cosmetic effects (such as tooth or skin discoloration) or aesthetic effects (such as taste, odor, or color) of drinking water.

  However, manganese exceeded both the SDWR and State MEG while aluminum and iron exceeded the SDWR. The concentration for manganese has increased and continues to exceed both the SDWR and State MEG. The concentration for iron has increased and now exceeds the SDWR.

- **Monitoring Well MW-203** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations of barium, chromium, iron, lead, nickel, and sodium have decreased since the last monitoring event. Concentrations of aluminum, manganese, and arsenic have remained the same since the last monitoring event (not detected).

  The reported concentration for iron has decreased since the last monitoring event and no longer exceeds the SDWR. Historical concentration trends of aluminum and arsenic concentrations have remained at or near non-detect.

- **Monitoring Well MW-204** – The monitoring well has not had a significant change in trends of metals concentrations in recent monitoring events through the April 2004 sampling event.
- **Monitoring Well MW-2101** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations of barium, chromium, lead, and nickel have decreased since the last monitoring event. Concentrations of arsenic and manganese have remained the same since the last monitoring event (non-detect). Sodium and aluminum concentrations have increased since the last monitoring event.

  The reported concentration of aluminum has increased since the last monitoring event and exceeded the SDWR. Historical concentration trends of aluminum have remained below 250 µg/L to non-detect.

- **Monitoring Well MW-217B** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations of aluminum, barium, lead, and arsenic have increased since Monitoring Event 23. Arsenic exceeded the Federal MCL for the second time including Monitoring Event 23. During sampling of this well, the well was purged dry and the sample was "cloudy with particles." It is likely that these elevated concentrations of inorganics are associated with the turbidity, and not a reliable indicator of water quality at this well or of a trend of increasing metals.

  The reported concentration of iron exceeds the SDWR. The reported concentration for aluminum and manganese exceeds the SDWR and State MEG. Historical concentration trends of iron, aluminum, and manganese at this well are similar for most sampling events.

- **Monitoring Well MW-218** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations for barium, lead, and manganese have decreased since the last monitoring event, while the concentration of arsenic has increased. Concentrations for chromium, nickel, sodium, and manganese have remained the same since the last monitoring event.

  The concentrations of aluminum, iron, and manganese exceed both the State MEG and the SDWR; and the concentrations of arsenic exceeds the Federal MCL.

- **Monitoring Well MW-219** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations for aluminum, chromium, and nickel have increased since the last monitoring event, while the concentrations of manganese, barium, lead, and sodium have decreased. Concentrations for arsenic have remained the same since the last monitoring event.

  The concentration of aluminum exceeds the State MEG and SDWR; and the concentrations of iron exceed the SDWR. Metal concentrations noted during the April 2004 sampling event are within historical ranges.

- **Monitoring Well MW-240** – A low-flow sample was collected from this well during the April 2004 sampling event. Concentrations for aluminum, arsenic, barium, chromium, lead, and nickel have decreased since the last monitoring event. The concentration of sodium has increased since the last monitoring event. Manganese concentrations remain at non-detect.

  The concentrations of aluminum exceed the State MEG and the SDWR; and the concentration of iron exceeds the SDWR. Concentrations for arsenic, manganese, and lead have been historically at or near non-detect levels.

2.3.3 Eastern Plume – Volatile Organic Compounds

- **Monitoring Well MW-205** – An aqueous diffusion sample was collected from this well. A sample was not collected during Monitoring Event 21 and 22 due to field error. The concentrations of PCE and TCE exceeded the State MEG and Federal MCL. Previous sample data from this location indicate concentrations of 1,1,1-trichloroethane and TCE comprise the majority of the total VOC concentration and show a similar generally decreasing trend, with a significant decline of concentrations from 2001 to 2002.

- **Monitoring Well MW-207AR** – An aqueous diffusion sample was collected from mid- and deep intervals from this well. VOC concentrations for both mid- and deep-interval aqueous diffusion samples are higher than the sample results from Monitoring Event 23 and return to historical trend levels. Concentrations of PCE and TCE for both mid- and deep-interval aqueous diffusion samples have increased and exceed the Federal MCLs and State MEGs again after concentrations of these VOCs did not exceed the MCL for Monitoring Event 23. Concentrations of individual VOCs have ranged from non-detect to approximately 35 µg/L since April 2002. Total VOCs have reached approximately 70 µg/L.

- **Monitoring Well MW-224** – A low-flow sample and a mid-depth aqueous diffusion sample were collected for this sampling event. VOC concentrations (1,2-dichloroethene, TCE, PCE) for the low-flow sample and mid-depth interval aqueous diffusion samples increased significantly since previous sampling events. Concentrations of TCE for both low-flow and mid-depth interval aqueous diffusion samples have increased and exceed the Federal MCL and State MEG.

- **Monitoring Well MW-225A** – An aqueous diffusion sample was collected from the mid-depth interval from this well. The concentrations of 1,1,1-trichloroethene, 1,1-dichloroethane, 1,1-dichloroethene, total 1,2-dichloroethene, PCE, and TCE have decreased since Monitoring Event 23. Concentrations of PCE and TCE exceed the State MEG and Federal MCL. Historically, when low-flow sampling was conducted from 1995 to 1999, there was an overall decrease in volatile concentrations; however, from 1999 to 2001, there was a small increase in volatile concentrations until 2002. Since 2001, mid-depth diffusion sample VOC results have ranged from non-detect to approximately 75 µg/L.

- **Monitoring Well MW-229A** – An aqueous diffusion sample was collected from mid-depth interval from this well. Concentrations for the VOCs in the mid-depth aqueous diffusion sample have generally decreased since Monitoring Event 23. Since 2000, VOC concentrations have ranged from non-detect to approximately 110 µg/L. Historically, when low-flow sampling was conducted from 1995 to 2000, total VOC concentrations decreased from approximately 180 µg/L to approximately 110 µg/L in 2000. Mid-depth diffusion sample VOC results have shown continued reduction to less than 45 µg/L in 2004.

- **Monitoring Well MW-230A** – An aqueous diffusion sample was collected from the deep interval from this well. The concentration of TCE exceeded the State MEG and Federal MCL and has increased since Monitoring Event 23.

- **Monitoring Well MW-306** – An aqueous diffusion sample was collected from the deep interval from this well. The concentration of 1,1,1-trichloroethene, 1,1-dichloroethane, 1,1-dichloroethene, and total 1,2-dichloroethene has decreased to non-detect. The concentration of PCE has remained the same (not detected) since Monitoring Event 22 and TCE has decreased to non-detect since Monitoring Event 23. Since 2000, VOC concentrations have remained consistent or have been decreasing with concentrations ranging from non-detect to approximately 425 µg/L for total VOCs.

- **Monitoring Well MW-311** – An aqueous diffusion sample was collected from mid- and deep-intervals from this well. VOC concentrations for both mid-depth and deep-interval aqueous diffusion samples are higher than the results from Monitoring Event 23 except for PCE which decreased. The concentrations of PCE, TCE, and 1,1-dichloroethene remained in exceedance of Federal MCLs and State MEGs. Since 2000, total VOC concentrations have declined gradually from approximately 750 µg/L to 67 µg/L in May 2003. Since the May 2003, total VOC concentrations have gradually increased to 119.1 µg/L in the deep diffusion samples.

- **Monitoring Well MW-313** – An aqueous diffusion sample was collected from the deep intervals from this well during the April 2004 sampling event. The total VOC concentrations have decreased during the last monitoring events. For the low-flow sample, total VOC increased to 88.1 µg/L because of a detection of 84 µg/L for 1,4-dioxane. The April 2004 monitoring event was the first time 1,4-dioxane analyzed and therefore this is the first detection of 1,4-dioxane at this well.

- **Monitoring Well MW-319** – An aqueous diffusion sample was collected from the deep-interval from this monitoring well during the April 2004 sampling event. VOC concentrations for the deep-interval aqueous diffusion samples are lower than the results from Monitoring Event 23 except for PCE (29.2 µg/L) which has increased. The concentrations of PCE remained in exceedance of the Federal MCL and State MEG. The TCE concentration was below the Federal MCL and State MEG value of 5 µg/L.

- **Monitoring Well MW-331** – A mid-depth aqueous diffusion sample was collected from this monitoring well for the April 2004 sampling event. Total VOC concentrations have increased from approximately 400 µg/L in 1999 to 1,024 µg/L in April 2004. The concentrations of 1,1,1-trichloroethane, 1,1-dichloroethene, total 1,2-dichloroethene, PCE, and TCE continue to exceed Federal MCLs and State MEGs.

- **Monitoring Well MW-332** – An aqueous diffusion sample was collected from the mid-depth interval from this monitoring well during the April 2004 sampling event. VOC concentrations for the mid-depth interval aqueous diffusion sample were higher than the results from Monitoring Event 23. The concentrations of TCE remained in exceedance of Federal MCLs and State MEGs.

- **Monitoring Well MW-333** – An aqueous diffusion sample was collected from the mid-depth interval from this monitoring well during the April 2004 sampling event. The concentrations of 1,1-dichloroethane and 1,1-dichloroethene have increased since Monitoring Event 23, while the concentrations of 1,1,1-trichloroethene, total 1,2-dichloroethene, PCE, and TCE have remained the same (not detected).

- **Monitoring Well MW-335 and 336** – Groundwater samples from these monitoring wells were collected for the first time in April 2004 as a low-flow sample, shallow aqueous diffusion sample, mid-depth aqueous diffusion sample, and deep aqueous diffusion sample. No VOCs were detected during the April 2004 monitoring event at the wells.

- **Monitoring Well MW-337** – Groundwater samples from this monitoring well were collected for the first time in April 2004 as a low-flow sample, shallow aqueous diffusion sample, mid-depth aqueous diffusion sample, and deep aqueous diffusion sample. TCE was detected in all four samples ranging from 0.65 J to 1.3 J µg/L below the MCL and state MEG for TCE (5 µg/L).
- **Monitoring Well MW-338A and 338B** – Groundwater samples from these monitoring wells were collected for the first time in April 2004 as a low-flow sample, shallow diffusion sample, mid-depth diffusion sample, and deep diffusion sample. No VOCs were detected during the April 2004 monitoring event at these wells.

- **Monitoring Well MW-338C and 339** – Groundwater samples from these monitoring wells were collected for the first time in April 2004 as a shallow diffusion sample, mid-depth diffusion sample, and deep diffusion sample. No VOCs were detected during the April 2004 monitoring event at these wells.

- **Monitoring Well MW-NASB-212** – A shallow diffusion sample was collected from this monitoring well. 1,1-Dichloroethane and 1,2-dichloroethene, total concentrations increased from Monitoring Event 23. The concentration of TCE continues to exceed both the State MEG and Federal MCL.

- **Piezometer P-106** – A low-flow sample was collected from this piezometer. Concentrations of total VOCs are similar to the two previous sampling events. The concentrations of 1,1,1-trichloroethene, 1,1-dichloroethane, 1,1-dichloroethene, and PCE have decreased since Monitoring Event 23, while the concentration of TCE has increased. The concentrations of 1,1,1-trichloroethane, 1,1-dichloroethene, PCE, and TCE still exceed both the Federal MCLs and State MEGs. Historically, total VOC concentrations have decreased significantly from a maximum of approximately 6,500 µg/L in 1996 to 1,184 µg/L in May 2003. In April 2004, total VOC concentrations were 1,051 µg/L.

- **Eastern Plume Raw Influent** – A grab sample of the eastern plume raw influent was collected for analysis in April 2004. Results indicate a decreasing trend from Monitoring Event 23. The concentrations of 1,1-dichloroethene and TCE continue to exceed both the State MEG and Federal MCL.

- **Extraction Well EW-01** – Concentrations of VOCs at this well have decreased slightly compared to the most recent sampling events. The concentration of PCE continues to exceed the State MEG. The concentration of TCE continues to exceed both the State MEG and Federal MCL. Historically, the reported concentrations for volatile contaminants of concern have remained at fairly consistent levels ranging from non-detect concentrations to approximately 115 µg/L. Total VOC concentration has shown a general decline from approximately 190 µg/L in 1996 to approximately 50 µg/L in May 2003 and 52 µg/L for April 2004.

- **Extraction Well EW-02A** – Concentrations of VOCs at this well have remained relatively stable since 2001 with a slightly increasing trend in the last five monitoring events but a decline in April 2004. Concentrations of 1,1,1-trichloroethene, 1,1-dichloroethene, total 1,2-dichloroethene, PCE, and TCE continue to exceed the Federal MCLs and State MEGs. Historically, there was a consistent decrease in total volatile concentrations after this well was first installed.
- **Extraction Well EW-04A** – EW-04A was offline for 172 days (181 day period from November 2003 to April 2004). No sample was collected for analysis from this well for Monitoring Event 24.

EW-4				
Days Operated Days	Ave Flow rate GPM	Total Run Time Hours	Percent Operation	Water Treated Gallons
9	35	205.0	28.47%	430500
0	0	0	0.00%	0
0	0	0	0.00%	0
0	0	0	0.00%	0
0	0	0	0.00%	0
0	0	0	0.00%	0

- **Extraction Well EW-05A** – VOC concentrations have decreased from approximately 200 µg/L in May 2001 to approximately 38.9 µg/L in April 2004. The concentrations of TCE exceed both the Federal MCL and State MEG. Historically, there have been decreasing trends for VOCs, although the most recent sampling round suggests influent concentrations may have leveled off.

- **Other Monitoring Wells** – The following monitoring wells and piezometers have not had a significant change in VOCs trends or analyte concentrations in recent monitoring events through Monitoring Event 24: MW-105A, MW-1104, MW-231A, MW-231B, MW-303, MW-305, MW-308, MW-309B, MW-318, MW-323, MW-330, MW-334, P-111, and P-132.

2.4 Surface Water, Seep, Sediment, and Seep Sediment Sampling Program

A summary of the results for the surface water, leachate seep, sediment, and seep sediment sampling and analysis program conducted at Sites 1 and 3 and Eastern Plume indicate the following (Appendix B provides data tables; Appendix C provides trend graphs).

2.4.1 Surface Water

Surface water was collected and analyzed from four surface water sample locations in Sites 1 and 3; and from five Eastern Plume sample locations.

2.4.1.1 Sites 1 and 3 – Volatiles

- **Surface Water Sample SW-04** – Total VOC concentrations have remained at non-detect concentrations since 1997 with the exception of a detection of less than 1 µg/L (total VOC) in 1998.
- **Surface Water Sample SW-07** – Total VOC concentrations have remained at non-detect concentrations since 1997 with the exception of a detection of approximately 2 µg/L (total VOC) in 2000 and 0.7 for PCE in May 2003.

- **Surface Water Sample SW-08** – Total VOC concentrations have remained at or near non-detect concentrations since 1998.

- **Surface Water Sample SW-09** – Total VOC concentrations have remained at non-detect concentrations from 1998 through 2000. Between 2001 and 2002, total VOC concentrations increased to 2 µg/L. The total VOC concentrations have decreased to non-detect in the last two monitoring events.

2.4.1.2 Sites 1 and 3 – Inorganics

- **Surface Water Sample SW-04** – Metal concentrations are within the historical range as results from previously collected samples. Zinc concentrations increased to there highest level since 1997 (18.1 µg/L) in samples collected in October 2003 but decreased to 13.4 µg/L in April 2004. Manganese and lead concentrations continue to decrease from Monitoring Event 22.

- **Surface Water Sample SW-07** – Metal concentrations were within the historical range as results from previously collected samples. Zinc concentrations increased to their highest level since 1996 (11.8 µg/L) in samples collected in April 2004. Manganese concentrations increased to a new high (430 µg/L) in samples collected in October 2003 but returned to historical ranges in April 2004.

- **Surface Water Sample SW-08** – Concentrations of zinc were within the historical range (non-detect to approximately 31 µg/L) as results from previously collected samples. Lead concentrations increased (non-detect to 1.1 µg/L) from samples collected in October 2003 but returned to none-detect in April 2004. Manganese concentrations increased to a new high (397 µg/L) in samples collected in October 2003 but returned to historical ranges in April 2004.

- **Surface Water Sample SW-09** – Metal concentrations were within the historical range as results from previously collected samples. Manganese concentrations increased to a new high (365 µg/L) in samples collected in October 2003 but returned to historical ranges in April 2004. Lead continued to be non-detect and zinc increased to its highest concentration since April 2001 at 15.1 µg/L.

- **Surface Water Sample SW-15** – This sampling location is sampled once a year during the fall monitoring event.

- **Surface Water Sample SW-16** – This sampling location is sampled once a year during the fall monitoring event.

2.4.1.3 Eastern Plume – Volatiles

- **Surface Water Sample SW-10** – For this sampling location, April 2004 results indicate total VOC concentrations have remained at or near non-detect levels since 1999.

- **Surface Water Sample SW-11** – For this sampling location, April 2004 results indicate total VOC concentrations have remained at non-detect levels since 1999.

- **Surface Water Sample SW-12** – Total VOC concentrations have remained at non-detect levels since 1999 with the exception of one detection of TCE at 4 µg/L during Monitoring Event 22. This compound was not previously detected at this sampling location and was not detected in the October 2003 or April 2004 monitoring event.

- **Surface Water Sample SW-13** – For this sampling location the April 2004 results indicate total VOC concentrations have remained at or near non-detect levels since 1999 with the exception of one detection at 1 µg/L in 2001.

- **Surface Water Sample SW-14** – For this sampling location the April 2004 results indicate total VOC concentrations have remained at non-detect levels since 1999.

2.4.2 Leachate Seep

Leachate seep samples were collected and analyzed from five leachate seep locations at Sites 1 and 3, and two Eastern Plume leachate seep locations for the April 2004 monitoring event.

2.4.2.1 Sites 1 and 3 – Volatiles

- **Leachate Seep SEEP-01** – VOC concentrations were at or near non-detect levels during the April 2004 monitoring event. Since 1996, concentrations for VOCs have ranged from non-detect to approximately 10 µg/L.

- **Leachate Seep SEEP-03** – VOC concentrations were at or near non-detect levels during the April 2004 monitoring event. Since 1997, concentrations for contaminants of concern have ranged from non-detect to approximately 35 µg/L.

- **Leachate Seep SEEP-04** – No sample was collected at this location during the April 2004 monitoring event because the seep was dry. Since 1995, concentrations for VOCs have ranged from non-detect to approximately 40 µg/L.

- **Leachate Seep SEEP-05** – VOCs concentrations were at or near non-detect levels during the April 2004 monitoring event. Since 1995, VOCs have ranged from non-detect to approximately 20 µg/L.

- **Leachate Seep SEEP-09** – VOCs concentrations were at low or non-detect levels during the April 2004 monitoring event. Since 1999, concentrations for VOCs have ranged from non-detect to approximately 6 µg/L.

2.4.2.2 Sites 1 and 3 – Metals

- **Leachate Seep SEEP-01** – Metal concentrations were generally within their historical range; however, mercury is above Maine's Statewide Water Quality Criteria (SWQC) and National Recommended Water Quality Criteria (NWQC) regulations.

  Manganese concentrations have decreased from 82,500 µg/L in May 2003 to 1,980 µg/L in April 2004. Aluminum, iron, and zinc are above SWQC and NWQC regulations.

  Leachate Seep SEEP-03 – Metals concentrations were at the lower range of historically reported concentrations. During the April 2004 monitoring event manganese was within historically reported concentrations (non-detect to approximately 190,000 µg/L) at 5,550 µg/L. Aluminum, iron, and zinc are above SWQC and NWQC regulations.

- **Leachate Seep SEEP-04** – No sample was collected at this location during this monitoring event because the seep was dry.

- **Leachate Seep SEEP-05** – Metal concentrations were generally within their historical range. Arsenic concentrations increased to a new maximum concentration of 15,700 µg/L in samples collected during October 2003, but returned to historical ranges in April 2004.
  Manganese concentrations have increased to a new maximum concentration of 58,100 µg/L in samples collected during October 2003 but returned to historical ranges in April 2004. Iron is above SWQC and NWQC regulations for the April 2004 monitoring event.

- **Leachate Seep SEEP-09** – Inorganic concentrations were generally within their historical range.

  Manganese concentrations previously increased to a new maximum concentration of 10,400 µg/L in samples collected during October 2003, but decreased to 5,130 µg/L in April 2004. Iron and zinc concentrations were above SWQC and NWQC regulations.

2.4.2.3 Sites 1 and 3 – Pesticides

- **Leachate Seep SEEP-01, SEEP-03, SEEP-05, and SEEP-09** – Pesticides were analyzed for the first time in April 2004. The majority of detections were rejected (see Appendix D).

2.4.2.4 Eastern Plume – Volatile Organic Compounds

- **Leachate Seep SEEP-10** – Total VOC concentrations have remained at non-detect levels from 2000 through April 2004.

- **Leachate Seep SEEP-11** – Total VOC concentrations had remained at non-detect levels from 2000 to 2002. In October of 2002, the total VOC concentration increased to 32 µg/L. During the May 2003 monitoring event, total VOC concentration decreased to 3 µg/L and in the October 2003 monitoring event, total VOC concentration increased to 16 µg/L In the April 2004 monitoring event, total VOC concentration further increased to 40.2 µg/L.

2.4.3 Sediment

Sediment samples were collected and analyzed from one Eastern Plum location for the April 2004 monitoring event.

2.4.3.1 Sites 1 and 3 – Inorganics

Sediment samples SED-09, SED-15, SED-16, SED-17, SED-18, and SED-19 at Sites 1 and 3 are collected annually during the fall monitoring event. No sediment samples were scheduled to be collected at Sites 1 and 3 for the April 2004 monitoring event.

2.4.3.2 Eastern Plume – Inorganics

- **Sediment Sample SED-11** – Concentrations for arsenic, lead, mercury, vanadium, chromium, copper, nickel, and zinc increased since the October 2003 monitoring event, while manganese has decreased.

2.4.3.3 Eastern Plume – Pesticides

- **Sediment Sample SED-11** – Pesticides were sampled for the first time in April 2004. Dichlorodiphenyldichloroethane (4,4'-DDD) and dichlorodiphenyltrichloroethane (4,4'-DDT) were detected at 12 J and 8.8 J µg/kg, respectively.

2.4.4 Leachate Seep Sediment

Leachate seep sediment samples were collected at five sample locations for the Site 1 and 3 area; no leachate is present at the Eastern Plume area.

2.4.4.1 Sites 1 and 3 – Volatiles

- **Leachate Station Sediment Sample LT-01** – During the April 2004 monitoring event, VOC concentrations were low to non-detect. VOC analyte concentrations have historically ranged from non-detect to less than 100 µg/kg.

- **Leachate Station Sediment Sample LT-03** – During the April 2004 monitoring event, VOC concentrations were at low or non-detect levels. VOC analyte concentrations have historically remained at or near non-detect levels.

- **Leachate Station Sediment Sample LT-04** – During the April 2004 monitoring event, VOC analyte concentrations increased from the previous two monitoring events at non-detect to 109.4 µg/kg for April 2004. This increase is due to the presence of 1,4-dichlorobenzene and toluene.

- **Leachate Station Sediment Sample LT-05** – During the April 2004 monitoring event, VOC analyte concentrations increased from two monitoring events at non-detect to 2,375.8 µg/kg for April 2004. This large increase, last seen in 1996 and 2000, is due to the concentrations of 1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene.

- **Leachate Station Sediment Sample LT-09** – During the April 2004 monitoring event, VOC concentrations were at low or non-detect levels. VOC analyte concentrations have historically remained at or near non-detect levels.

2.4.4.2 Sites 1 and 3 – Inorganics

- **Leachate Station Sediment Sample LT-01** – Metal concentrations were within the historical range at this sampling location (non-detect to approximately 400 mg/kg, excluding a spike in arsenic at approximately 1,100 mg/kg in 1998). Manganese has decreased and is within historically reported concentrations (non-detect to approximately 18,000 mg/kg) at 72.8 J milligrams per kilogram (mg/kg) for Monitoring Event 24.

- **Leachate Station Sediment Sample LT-03** – Metal concentrations were within the historical range at this sampling location (non-detect to approximately 75 mg/kg). Zinc concentrations returned to historical ranges after reaching a new maximum was observed during Monitoring Event 23 for this sampling location.

- **Leachate Station Sediment Sample LT-04** – Metal concentrations were within the historical range at this sampling location (non-detect to approximately 110 mg/kg). All compounds increased during this monitoring event compared to October 2003 values. Nickel and lead concentrations reached a new high of 76.1 J mg/kg and 82.2 J mg/kg, respectively during April 2004 sampling event.

  Manganese was within historically reported concentrations (non-detect to approximately 5,000 mg/kg), excluding a spike of approximately 35,000 mg/kg in 1999, at 53.5 mg/kg for Monitoring Event 23.

- **Leachate Station Sediment Sample LT-05** – Metal concentrations were within the historical range at this sampling location (non-detect to approximately 2,500 mg/kg). A high arsenic concentration of 970 J mg/kg was measured in April 2004, but that is well below the record high of approximately 5,000 mg/kg in the spring of 2003.

  Manganese was within historically reported concentrations (approximately 100 to 4,600 mg/kg) at 1,310 mg/kg for Monitoring Event 24.

- **Leachate Station Sediment Sample LT-09** – Concentrations were within the historical range at this sampling location.

  Manganese is within historically reported concentrations (non-detect to approximately 3,000 mg/kg), excluding a spike of approximately 7,200 mg/kg in 2000, at 294 J mg/kg for Monitoring Event 24.

2.5 Monitored Natural Attenuation Sampling Program

Natural attenuation is a naturally occurring, contaminant degrading, and dispersing processes which can decrease concentrations of chlorinated compounds in groundwater. Natural attenuation processes occur in groundwater systems, but their effectiveness varies considerably from site to site and among different kinds of contaminants. Natural attenuation processes, which include biodegradation and physical processes such as dispersion, dilution, sorption, volatilization, and abiotic degradation act to decrease concentrations of dissolved chlorinated solvent contaminants as they are transported by flowing groundwater.

Biodegradation mechanisms are the most critical to establishing natural attenuation as an appropriate component of a remedial strategy of all the natural attenuation processes. When rates of contaminant biodegradation are fast relative to the rates of groundwater transport, contaminant migration will be highly restricted and the efficiency of natural attenuation will be relatively high.

Because subsurface conditions that affect biodegradation of chlorinated solvents have been well studied at many sites, it is possible to assess the effectiveness of natural attenuation with a high degree of confidence. The potential for natural attenuation can be measured by particular hydrologic, geochemical, and biological characteristics of the groundwater system into which the contaminants have been introduced. When microbes degrade organic contaminants in the subsurface, they can cause measurable changes in groundwater chemistry. These changes make it possible to assess the extent of contaminant degradation using standardized hydrologic, geochemical, and biological parameters. Parameters and guidelines which are used to assess the efficiency of natural attenuation at NAS Brunswick are documented in the following publications:

- Technical Protocol for Evaluation of Natural Attenuation of Chlorinated Solvents in Groundwater (EPA 1998)
- Technical Guidelines for Evaluating Monitored Natural Attenuation of Petroleum Hydrocarbons and Chlorinated Solvents in Groundwater at Naval and Marine Corps Facilities (Parsons Engineering and U.S. Geological Survey 1998)
- Overview of the Technical Protocol for Natural Attenuation of Chlorinated Aliphatic Hydrocarbons in Groundwater under Development for the U.S. Air Force Center for Environmental Excellence (Wiedemeier et al. 1996)

Dissolved chlorinated VOCs compose the majority of organic contaminants effecting the groundwater quality at the Eastern Plume. An initial reduction in oxygen concentration by aerobic respiration of benzene, toluene, ethylbenzene, and xylene (total) (BTEX) or natural organic carbon would eventually create anoxic conditions, a more suitable subsurface environment for the potential degradation of chlorinated hydrocarbons by reductive dechlorination. Once reductive dechlorination has commenced, reduced daughter products, such as dichloroethene (DCE) and vinyl chloride, can be transported along groundwater flowpaths to distal plume locations. Because DCE and vinyl chloride are readily metabolized by direct oxidation, these contaminants may be degraded at downgradient plume locations, where the concentration of dissolved oxygen is elevated relative to proximal plume locations. However, no

direct evidence is available that metabolism is occurring by direct oxidation and oxidation may be occurring in the wetland areas. At many locations in the Eastern Plume, DCE is routinely detected at a number of monitoring wells, but vinyl chloride has not been detected at any monitoring well.

2.5.1 Eastern Plume

A subset of monitoring wells at the Eastern Plume was selected and sampled during the April 2004 monitoring event for natural attenuation parameter analysis. Eight shallow wells and 26 deep wells were sampled in order to provide information on the occurrence of natural attenuation within the Eastern Plume in accordance with the MNA technical letter (EA 2004). The wells were selected to provide a general overview of natural attenuation conditions, and included shallow and deep wells located in mid-plume, downgradient, and sentinel locations.

This section provides a summary of the natural attenuation data. The following groundwater wells were sampled for this assessment:

- ***Shallow Wells*** – MW-105B, P-111, MW-332, MW-229B, MW-313, MW-231B, MW-318, and MW-1104

- ***Deep Wells*** – MW-NASB-212, MW-306, P-106, MW-105A, MW-330, MW-319, MW-207A, MW-205, MW-229A, MW-333, MW-334, MW-230A, MW-231A, MW-224, MW-303 (to replace the abandoned MW-302), MW-305, MW-331, MW-310, MW-335, MW-336, MW-337, MW-338A, MW-338B, MW-338C, MW-339, and MW-315A.

The wells sampled as part of this natural attenuation sampling event are located on Figure 11.

Between 13 and 22 April 2004, ECC sampled the monitoring wells listed above for selected monitored natural attenuation parameters. The samples were sent to Accutest Laboratories of Marlborough, Massachusetts for the following analysis to determine the efficacy of chlorinated VOC natural attenuation. Other natural attenuation indicators (biodegradation products) analyzed included VOC analysis using EPA Method 8260B (part of the long-term monitoring sampling at the Eastern Plume), which indicates the occurrence of parent compounds and/or daughter products within the Eastern Plume.

- ***Dissolved Gas (methane, ethane and ethene)*** – Analyzed using US EPA Region I Methane, Ethane, and Ethene SOP.

- ***Total Selected Metals (arsenic, iron, and manganese)*** – Digested using SW-846 Method 3010A and analyzed using SW-846 Method 6020.

- ***General Chemistry*** – Analyzed for alkalinity (EPA Method 310.1), chloride (EPA Method 325.3), nitrate plus nitrite (EPA Method 353.2), nitrite (EPA Method 354.1), sulfate (EPA Method 375.4), Ferrous Iron (SM 3500 Fe D), and total organic carbon (EPA Method 415.1).

- ***Field Parameters*** – Collected during the time of sampling at the selected well locations. Included temperature, pH, conductivity, dissolved oxygen, oxidation-reduction potential (Eh), turbidity, and color. The field forms for the monitored natural attenuation sampling are provided in Appendix E.

Table 15 provides a summary of the natural attenuation parameters and laboratory analytical methods used for the April 2004 sampling event. To determine the efficacy of biodegradation, a groundwater sample from a currently unimpacted well (MW-1104) within the saturated zone of the former western portion of the Eastern Plume was selected as a background comparison to those locations within the Eastern Plume. Background levels of dissolved oxygen at location MW-1104 were 3.49 mg/L, while Eh was 82 mV.
Sulfate and chloride analysis yielded concentrations of 22,200 and 18,100 μg/L, respectively. Iron (II) and methane were below reporting limits for the analytical techniques used. No VOCs were reported at this location.

Based on comparison of natural attenuation parameter results from the sampled locations to the MW-1104 background conditions, the following notable findings are summarized by the respective monitored natural attenuation parameter. Chlorinated compound in the sampled locations are also presented below. The natural attenuation results for the April 2004 sampling event are summarized in Appendix B-5.

Chlorinated Compounds

Chlorinated compounds detected in natural attenuation groundwater samples collected at the Eastern Plume include: PCE, TCE, 1,1,1-Trichloroethane (1,1,1-TCA), *trans*- and *cis*-1,2-DCE, and 1,1-DCE). Parent chlorinated compounds include PCE, TCE, and 1,1,1-TCA.

The potential daughter products of PCE biodegradation via reductive dechlorination include TCE, *cis*-1,2-DCE, 1,1-DCE, ethene, and ethane. The potential daughter products of 1,1,1-TCA biodegradation via reductive dechlorination include 1,1-DCE, 1,1-DCA, and acetic acid. The spatial distribution of these daughter product compounds reported in the April 2004 sampling data is provided on Figures 12 and 13.

The highest concentrations of 1,2-DCE (total) coincides with the highest concentrations of TCE at monitoring well MW-331 and piezometer P-106 suggesting that reductive dechlorination of chlorinated ethenes may be occurring at these locations (Figure 13). Since 1,2-DCE was not a known source released contaminant, more than likely the 1,2-DCE is a TCE/PCE reductive dechlorination daughter product. *cis*-1,2 DCE is the only 1,2-DCE isomer detected at MW-331 and P-106, which further suggest that its origin is from biological transformation.

Vinyl chloride, ethane, and ethane were not detected in any MNA samples collected, which suggest that reductive dechlorination may either be stopping at 1,2-DCE or that 1,2-DCE is undergoing oxidation. Oxidation products of 1,2-DCE would not include vinyl chloride, ethane, or ethane..

The highest concentrations of 1,1-DCA coincides with the highest concentrations of 1,1,1-TCA at monitoring well MW-331 and piezometer P-106, which suggest that reductive dechlorination of chlorinated ethanes may be occurring at these locations, However, the abiotic 1,1,1 TCA by-product 1,1-DCE have been detected in monitoring well MW-331 and piezometer P-106, which may suggest that reductive dechlorination condition may not be the prevalent natural attenuation mechanism at these locations. 1,1-DCA reductive dechlorination by-products include chloroethane and ethane, which were not-detected at monitoring well MW-331 nor at piezometer P-106.

Chloride

Chloride was identified at concentrations exceeding the MW-1104 background level at eight locations (MW-NASB-212, MW-224, MW-313, MW-319, MW-331, MW-333, MW-335, and MW-338A). Elevated chloride levels can be attributed to past or current reductive dechlorination of chlorinated VOCs, anthropogenic sources, or naturally occurring chloride from other than upgradient waters. Chloride will not be used as the sole determinator of reductive dechlorination.

Dissolved Oxygen

Depleted concentrations of dissolved oxygen were reported in 15 of the monitoring wells sampled for natural attenuation parameters (MW-207AR, MW-230A, MW-303, MW-305, MW-311, MW-313, MW-315A, MW-330, MW-333, MW-334, MW-335, MW-337, MW-338A, MW-338B, and MW-339). These depleted dissolved oxygen levels also correlate with the presence of methane and PCE breakdown products, (i.e., TCE, 1,1-DCE, and 1,2-DCE) and 1,1,1-TCA breakdown product 1,1-DCA further indicating that conditions conducive to reductive dechlorination of chlorinated VOCs exist in these areas.

Oxidation-Reduction Potential

Values of Eh results indicate that the local geochemistry has thermodynamic conditions that are favorable for reductive dechlorination of chlorinated VOCs to occur within 17 monitoring well locations, where low Eh values were reported at MW-334 (-212.5 mV) and MW-335 (-230 mV). The Eh values reported in the samples collected from the shallow monitoring wells were generally higher than those reported for the deep aquifer zone as would be expected due to increased interaction with atmospheric water.

Nitrate

Nitrate was reported at concentrations below the method detection limit (<0.11 mg/L) at 21 of 34 monitoring wells sampled, which is also reduced in comparison to the nitrate levels reported in MW-1104 (0.32 mg/L), the representative background location. The lack of nitrate in groundwater at the site is an indication of the potential for chlorinated VOC biodegradation, because when present at higher concentrations, nitrate may compete as an electron acceptor during reductive dechlorination. This lack of nitrate is interpreted as being depleted in the downgradient localities of the plume.

Ferrous Iron

Iron (II) was reported at concentrations above, or equal to, 1 mg/L, at one piezometer locations (P-111) and detected at MW-313 and MW-NASB-212. During the last sampling round three monitoring wells and one piezometer location (MW-NASB-212, MW-313, MW-230A, and P-111) had iron (II) detects above background levels. It should be noted that during the Monitoring Event 23 sampling, reduced iron was analyzed in the field with a Hach field kit and for Monitoring Event 24 reduced iron was analyzed at an off-site laboratory. The different methodologies may have resulted in a low-bias for iron (II). Conditions near P-111 suggest conditions for anoxic vinyl chloride oxidation. MW-313 and MW-NASB-212 are associated with regions of methane detections.

Arsenic and Manganese

Arsenic and manganese groundwater samples were collected and analyzed as these metals provide evidence of sub-surface conditions favorable respectively for reductive dechlorination conditions or anoxic degradation conditions. The greatest arsenic levels were detected in samples collected from MW-338A, MW-303, and MW-NASB-212, which are associated with regions of elevated methane and low dissolved oxygen. Manganese was detected throughout the Eastern Plume. The occurrence of iron (II) and relatively elevated manganese concur for MW-313, MW-NASB-212, and P-111; however, there are other monitoring wells with greater manganese detections but which are non-detect for iron (II). The arsenic and manganese data is inconclusive in determining biodegradation potential or pathways.

Sulfate

Sulfate concentrations at the site ranged from approximately non-detect to 119,000 μg/L (MW-105A). Sulfate concentration was in the background well MW-1104 (22,200 μg/L). In general, the lower and non-detect concentrations of sulfate were reported in the southern portion of the Eastern Plume and the higher concentration were reported in the northern portion of the Eastern Plume. This finding may be indicative of sulfate reduction on the southern portion of the Eastern Plume. The concentrations of sulfate may be indicative of background conditions for sulfate. Sulfate is a competing electron acceptor for VOCs in reductive dechlorination, and reduced sulfate levels are an indication that favorable conditions exist for reductive dechlorination.

At sulfate reducing conditions, TCE and PCE can be reduced to 1,2-DCE and TCA can be reduced to 1,1-DCA; however, conditions may not be favorable for removal of vinyl chloride or 1,2 DCE by oxidation.

Total Organic Carbon and BTEX

Natural organic carbon or released hydrocarbon contaminants provide microbial substrate required for VOC reductive dechlorination. BTEX when released into the environment in sufficient concentration are known to promote methanogenesis conditions. Naturally occurring organic material, in sufficient quantity and nutritional value, can also promote methanogenesis conditions. The source releases from Site 04, 11, and 13 (ABB-ES 1998), which formed the Eastern Plume, are more than a decade old, and BTEX was not detected in any Eastern Plume monitoring well samples. BTEX compounds are not available to drive the Eastern Plume conditions to methanogic reductive dechlorination conditions, but natural (non-anthropogenic) organic carbon (dissolved phase) was detected in monitoring well samples. Wetland stretches of Mere Brook and Merriconeag Stream may have deposits of natural organic carbon, and this organic carbon would yield anaerobic conditions conducive to reductive dechlorination.

Methane

Methanogenesis, the anaerobic fermentation of organic carbon under reducing conditions, generally occurs following the depletion of other electron acceptors, including oxygen, nitrate, manganese, iron, and sulfate. Methane was detected above the method detection limit at seven of the wells sampled for monitored natural attenuation (MW-207AR, MW-NASN-212, MW-303, MW-313, MW-315A, MW-335, and MW-338A) indicating that methanogenesis conditions may have been achieved in select regions. The methane concentrations do not appear to be from anthropogenic sources, as the VOC plume and the high methane concentration regions are unrelated. Most likely the methane is from methanogenesis of natural organic carbon associated with Mere Brook and Merriconeag Stream. Under methanogenesis conditions PCE and TCE are reduced to ethene and carbon dioxide and 1,1,1 TCA is reduced to ethane and carbon dioxide. The nutritional value and/or distribution of natural organic carbon, and the microbial community may not be adequate for complete reductive dechlorination prior to discharge of contaminated groundwater to the surface, as evidenced by the continued discharge of low levels of VOCs at SEEP-11.

2.5.2 Natural Attenuation Screening Process

In Wiedemeier et al. (1996), a quantitative screening process to determine the biodegradation potential for chlorinated solvents was presented. The screening process (Table 16) involves assigning points for indications of the natural attenuation of chlorinated VOCs, whereby points are added or subtracted, respectively, for indications of an environment that would or would not support natural attenuation (e.g., subtraction for high dissolved oxygen). A weighted score was established for individual groundwater sampling locations for the April 2004 sampling data at the Eastern Plume. These scores were then compared and contrasted with the score for background conditions at the location of MW-1104.

The results of the screening evaluation are listed in Table 17. These scores are used as a basis for a more in-depth evaluation of geochemical conditions at a sample location. Also the entire plume conditions, the influence of the extraction wells, plume age, past migration of contaminants and MNA parameters, and the plume as a whole are considered in the final evaluation of the potential for biodegradation.

Weighted scores of the screening process indicate that there is limited evidence of conditions conducive for chlorinated VOC biodegradation and in the four deep monitoring well locations which are representative of the lower sand unit (MW-207AR, MW-313, MW-333, and MW-334) there is not a sufficient source of carbon. In addition, weighted scores indicate that there is limited evidence of potential for chlorinated VOC biodegradation for seven remaining monitoring locations that were assessed. These locations included MW-229A, MW-319, MW-330, MW-331, MW-332, MW-NASB-212, and P-106.

Weighted scores for groundwater locations assessed were isocontoured to evaluate spatial trends and possible correlations with other findings that favorably indicated the potential for chlorinated VOC reductive dechlorination. Isocontoured natural attenuation scores, reflecting the adequacy of evidence for chlorinated VOC degradation, are illustrated on Figure 14. Note that these maps of VOC concentrations are provided only to illustrate the general distribution of chemicals.

Isocontoured scoring results that indicate sufficient-to-adequate evidence of conditions conducive for chlorinated VOC degradation by reductive dechlorination strongly correlate with the spatial trends exhibited for individual natural attenuation parameters. For instance, isocontoured natural attenuation scores for locations within the deep zone in the southern portion of the Eastern Plume also strongly correlates with elevated methane spatial patterns from these areas (Figure 13). Considering that the weighted scoring is a cumulative function of individual natural attenuation parameters, this finding is not surprising.

2.5.3 Natural Attenuation Summary and Conclusion

A natural attenuation assessment groundwater study was conducted to provide data that can be used to assess whether evidence is present which suggests chlorinated VOC degradation by reductive dechlorination. Groundwater sampling activities for select natural attenuation parameters were performed at 34 locations from the shallow and deep aquifer zones at the Eastern Plume. A background groundwater sample was collected from well MW-1104.

For monitoring wells MW-207AR, MW-313, MW-333, and MW-334 identified in the quantitative screening process conditions exist for complete reductive dechlorination (although presently this accepted alternative lacks supporting evidence at the Eastern Plume) by methanogenesis, as shown by methane production, depleted oxygen, low Eh; however, no complete reductive dechlorination or intermediate PCE/TCE daughter products (vinyl chloride or ethene) nor 1,1,1 TCA daughter products or intermediates (chloroethane or ethane) were detected. Only primary stage daughter products consisting of 1,1-DCA and 1,1-DCE were detected along the southern leading edge of the plume, while *cis*-1,2-DCE was also present at MW-207AR, located 800 feet north and across Mere Brook. The absence of ethene, ethane, chloroethane and vinyl chloride may be due to complete conversion to methane in these regions.

At the distal region of the plume the incident VOCs concentrations are relatively low compared to upgradient concentrations and any intermediate daughter products concentrations may be transient and below detection limits. Alternatively methane detections may not be closely associated with centers of methanogenesis due to groundwater migration or forced advection due to extraction well influences.

Reductive dechlorination of chlorinated ethenes and chlorinated ethanes in the plume interior near monitoring well MW-331 and piezometer P-106 appears to be stopping at intermediate daughter products 1,2-DCE and 1,1-DCA respectively, as vinyl chloride, chloroethane, ethene, and ethane were not detected. Further in these regions there are no carbon substrate sources (i.e. anthropogenic BTEX or natural organic carbon) to achieve methanogenesis conditions.

Vinyl chloride and 1,2 DCE oxidation is possible under aerobic or iron (III) reducing conditions but the iron (II) levels and dissolved oxygen levels per the Weidemeier MNA scoring table do not indicate the likelihood of conditions conducive to oxidation.

Findings related to individual natural attenuation parameters (methane, dissolved oxygen, Eh, and the distribution of the chlorinated VOC breakdown products), and results of an initial quantitative weighted scoring, provide limited evidence that conditions are favorable for reductive dechlorination of chlorinated VOCs in areas of the Eastern Plume, shown in Figure 14. This evidence is particularly strong in the southern boundary region of the Eastern Plume, where groundwater sample data define the edge of the plume (MW-313, MW-333, and MW-334). These data suggest that the deeper saturated zones in the southern portion of the Eastern Plume are most likely to have conditions favorable for natural attenuation.

3.0 LONG TERM MONITORING CONCLUSIONS AND RECOMMENDATIONS

Based on the analysis of the data collected at Sites 1 and 3 and Eastern Plume as part of the Long-Term Monitoring Program, the following general conclusions and recommendations are provided:

3.1 Conclusions and Recommendations

- **Conclusion** – Concentration trends from monitoring wells located within the body of the Eastern Plume appear to be relatively stable, suggesting limited migration of the inferred plume area above the MCLs (Figures 12 and 13) has remained relatively stable compared to the Monitoring Event 23 inferred plume area. However, continued increases in concentrations at MW-331 in 2004 have been noted and this well is currently the monitoring point with the highest total VOC concentrations. These increases suggest an area of increased VOC contamination is moving south.

  Recommendation – Consider installation of two new extraction wells to be located in areas of current "hot-spots." Previous extraction well installations (EW-5A and EW-2A) have resulted in improved VOC removal at hot-spot locations and a similar approach is recommended to remediate areas of elevated VOCs. Additional groundwater and geology data should be collected prior to installation of new extraction wells to optimize locations and to maximize the efficiency of the new wells. Although exact locations have not been determined, areas around P-106 and MW-331 should be considered as potential areas for exploration and installation of new extraction wells as these locations note the highest concentrations of VOC in the Eastern Plume.

- **Conclusion** – Data collected for natural attenuation parameters suggest there is a possible likelihood that biodegradation is occurring in some portions of the Eastern Plume. The data suggest that chlorinated VOCs are being anaerobically degraded and this breakdown may result in a long-term decrease in VOC concentrations in the Eastern Plume. While these data are not definitive, they indicate that a few localities within the deep zone of the Eastern Plume associated with natural organic carbon appear to have conditions which are favorable for complete reductive dechlorination and other regions may be favorable for anoxic oxidation of partially reduced chlorinated VOCs.

  Recommendation – The need for additional assessment of natural attenuation parameters should be considered by site stakeholders. Due to extraction well influences, the absence of vinyl chloride, chloroethane, ethene, and ethane a direct confirmation of in-situ microbial biodegradation capacity and locations is required. Microbial characterization of water samples from regions identified during the first and second monitored natural attenuation sample events as having the greatest potential for biodegradation would provide clear proof for the efficacy of monitored natural attenuation as a viable remedial option. Confirmation of the MNA sampling and scoring results for the potential for complete reduction of incident VOCs by methanogenesis should be performed at several locations (MW 313, MW-207AR, SEEP-11, MW-333, and MW-334). Additionally, analyze samples from MW-331, P-106, and MW-311, as these correspond to localities of high VOCs.

Install seep collection point at Sediment/Surface Water Location 12 to analyze any seepwater from the vicinity of MW-313, and characterize the microbial community in this location for biodegradation potential. During the first and second monitored natural attenuation sampling events iron (II) was detected above background levels, which is an indicator of the potential for anoxic vinyl chloride and 1,2-DCE oxidation. Analysis of iron (III) reducing microbes will determine if vinyl chloride and 1,2-DCE anoxic oxidation pathways are responsible for the absence of these compounds in the plume. Confirmation of the MNA parameter sampling by analyzing water samples from MW-313, P-111, MW-NASB-212, MW-332, MW-311, MW-331, and MW-230A for iron (III) reducing bacteria, as these locations coincide with iron (II) detections during past sampling events or proximal to the 1,2-DCE epicenters.

This second round of data suggests individual natural attenuation parameters (methane, dissolved oxygen, Eh, and the distribution of the chlorinated VOC breakdown products), and results of an initial quantitative weighted scoring, provide limited evidence that conditions are favorable for reductive dechlorination of chlorinated VOCs in three relatively small areas of the Eastern Plume, shown in Figure 14. This evidence is particularly strong in the southern boundary region of the Eastern Plume, where groundwater sample data define the edge of the plume (MW-313, MW-333, and MW-334). These data suggest that the deeper saturated zones in the southern portion of the Plume are most likely to have conditions favorable for natural attenuation. Presently dilution and dispersion (due to GWETS operation) play the major role in the plume dynamics and it is unlikely that biodegradation is retarding the movement of the plume.

- **Conclusion** – The increasing concentrations of VOCs in the shallow and deep intervals (noted at monitoring wells MW-333 and MW-313) over the last 1-3 years suggest the Eastern Plume is slowly migrating south into the vicinity of New Gurnet Road. The VOC migration is suspected from the diffusion and/or dispersion, in addition to groundwater movement to the south-southeast. Surface water sample SW-12 noted a low concentration detection of TCE for the first time in May 2003, which coincides with an increase in total VOC concentrations at nearby well MW-313. No VOCs were detected at SW-12 during the October 2003 monitoring event. The combination of possible increasing VOCs at these locations suggests that the Eastern Plume may be flowing upward into Mere Brook near this location. An EPA investigation in 2000 did not indicate that chlorinated VOCs were present at this location. This location appears to be only recently affected by chlorinated VOCs in deep groundwater, although data from Monitoring Event 23 and 24 did not show continued surface water impacts.

  Recommendation – Based on observations noted above, ECC recommends the one-time collection of three additional surface water samples downstream of SW-12 to assess surface water quality at increasing distances from the potential exit point of the Eastern Plume. Additional surface water sample locations are recommended at 50-ft intervals downstream of SW-12 to be sampled for VOCs by EPA Method 8260B during the April 2004 monitoring event. If chlorinated VOCs are detected, these additional sample locations should be sampled for a number of rounds as determined by the Technical Review Committee.

- **Conclusion** – Sample results from groundwater, surface water, and leachate at Sites 1 and 3 generally show stable or decreasing trends for VOCs and inorganics. No increases are noted at sampling points which would indicate additional groundwater or surface water is infiltrating the low-permeable cap or slurry wall. Based on the data collected to date, the remedial measures completed at Sites 1 and 3 appear to be effective in preventing significant impacts from the Sites 1 and 3 landfill, although inorganic concentrations downgradient of the landfill remain elevated in seeps and groundwater.

  Recommendation – Continue monitoring media at Sites 1 and 3 as specified in the LTMP. Consider discussing possible reduction of sampling frequency or sample points for surface water and leachate stations during future long-term monitoring optimization. Based on discussions with EPA and MEDEP, the Navy will be installing shallow point piezometers in the immediate vicinity of the leachate seeps at Sites 1 & 3 in April 2005. The shallow piezometers will allow a more representative assessment of leachate conditions by reducing the oxidized suspended solids present in the leachate seeps. An SOP for shallow point piezometers will be included as an appendix to Sites 1 &3 and Eastern Plume Monitoring Event 26 (April 2005) Report.

- **Conclusion** – The extraction well network, which is currently operating at a reduced capacity, appears to have limited effectiveness at maintaining hydraulic control of the Eastern Plume (which appears to be contained due to hydrogeologic/geological conditions at the site); however, it has been effective at reducing VOC concentrations in specific areas.

  Recommendation – Consideration should be given to changing the remedial approach for the Eastern Plume from pump-and-treat to hot spot reduction, with an emphasis on natural attenuation for lower concentration areas such as the plume margins. Pump-and-treat activities are useful for reducing hot spots of VOCs, and the use of the existing pump-and-treat system is effective for removal of VOC mass. Specifically, consideration should be given to increasing pumping effectiveness at areas with relatively high VOC concentrations (i.e., MW-331) while reducing pumping where concentrations are lower (i.e., EW-1).

- **Conclusion** – Previous elevation data collected at EW-01 indicate groundwater movement from the deep interval to the shallow interval at this location. This well is screened across the deep and shallow intervals of the unconsolidated interval, and appears to act as a conduit for potentially impacted groundwater to move into the shallow interval.

  Recommendation – Abandon extraction well EW-01 as soon as possible to eliminate the potential for cross-aquifer contamination if pumping during groundwater extraction is interrupted. The replacement of this extraction well in the southern plume area should be considered to remove VOC mass prior to groundwater migration toward the southern boundary area.

3.2 Long-Term Monitoring Objectives

The following lists the uses for the data collected during the Long-Term Monitoring Program, specified in the LTMP, and provide conclusions on the degree of success in achieving these objectives:

- ***LTMP Goal*** *– Assess the ambient water quality conditions (groundwater and surface water) by collecting samples to monitor trends and assess effectiveness of remedial actions.*

  Sufficient data are being collected to assess contaminant trends in surface water and groundwater at Sites 1 and 3 and Eastern Plume. Areas where additional data collection should be considered include the area near SW-12 that may not be adequately monitored at this time.

- ***LTMP Goal*** *– Evaluate the effectiveness of the groundwater extraction system by assessing trends in the concentration of VOCs in groundwater within the boundaries of the Eastern Plume, and provide recommendations to improve system effectiveness.*

  The effectiveness of the groundwater extraction system can be evaluated with the data currently being collected under the Long-Term Monitoring Program. Recommendations for system improvements are provided in Section 3.1.

- ***LTMP Goal*** *– Evaluate the effectiveness of the landfill cap and slurry wall by evaluating trends in VOCs and Target Analyte List metals in surface water, groundwater, sediment, and leachate station seep samples within and adjacent to Sites 1 and 3.*

  The effectiveness of the landfill cap and slurry wall can be evaluated with the data currently being collected under the Long-Term Monitoring Program. Recommendations for system improvements are provided in Section 3.1.

- ***LTMP Goal*** *– Analyze the effective capture zone of the groundwater extraction system at Sites 1 and 3 and Eastern Plume to determine the degree of hydraulic control achieved through remedial pumping.*

The effective capture zone of the groundwater extraction system and the degree of hydraulic control can be assessed by data currently being collected. Recommendations for system improvements are provided in Section 3.1.

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TABLES

TABLE 1
SUMMARY OF LONG-TERM MONITORING PROGRAM AT SITES 1 AND 3

Sample Type/Location	Monitoring Frequency	Slurry Wall	Sample Parameters			Monitoring Event 24	
			TCL VOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Shallow Monitoring Wells							
MW-201R	Bi-Annual	Outside	NR	NR	NR	X	NR
MW-202A	Bi-Annual	Outside	X	X	X	X	X
MW-203	Bi-Annual	Outside	X	X	X	X	X
MW-204	Bi-Annual	Outside	X	X	X	X	X
MW-210B	Bi-Annual	Outside	NR	NR	NR	X	NR
MW-211B	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-215R	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-217B	Bi-Annual	Inside	X[b]	X	X	X	X
MW-234R	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-240	Bi-Annual	Outside	X	X	X	X	X
MW-2101	Bi-Annual	Outside	X	X	X	X	X
Deep Monitoring Wells							
MW-216A	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-217A	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-218	Bi-Annual	Outside	X	X	X	X	X
MW-219	Bi-Annual	Outside	X	X	X	X	X
MW-220	Bi-Annual	Outside	NR	NR	NR	X	NR
MW-232A	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-233R	Bi-Annual	Inside	NR	NR	NR	X	NR
Bedrock Wells							
MW-210A	Bi-Annual	Outside	NR	NR	NR	X	NR
MW-210R	Bi-Annual	Inside	NR	NR	NR	X	NR
MW-211A	Bi-Annual	Inside	NR	NR	NR	X	NR
Extraction Wells							
EW-06	Bi-Annual	Inside	NR	NR	NR	X	NR
EW-07	Bi-Annual	Inside	NR	NR	NR	X	NR
Shallow EP-Series Piezometers							
EP-16	Bi-Annual	Inside	NR	NR	NR	X	NR
EP-17	Bi-Annual	Inside	NR	NR	NR	X	NR
EP-18	Bi-Annual	Inside	NR	NR	NR	X	NR
EP-19	Bi-Annual	Inside	NR	NR	NR	X	NR
EP-20	Bi-Annual	Inside	NR	NR	NR	X	NR

(a) Determination of field parameters in accordance with U.S. Environmental Protection Agency 600/4-79/020 using the following methods: pH (Method 150.1), temperature (Method 170.1), specific conductance (Method 120.1), and turbidity (Method 180.1). Optional field parameters, including dissolved oxygen (Method 360.1) and Eh, were also recorded. The field parameters also include the collection of the water level measurement.

(b) Groundwater sample collected by low-flow and diffusion sampler method.

NOTE: TCL = Target Compound List.
VOC = Volatile organic compound (U.S. Environmental Protection Agency SW-846).
TAL = Target Analyte List.
NR = Not required.

TABLE 1 (continued)
SUMMARY OF LONG-TERM MONITORING PROGRAM AT SITES 1 AND 3

Sample Type/Location	Monitoring Frequency	Sample Parameters			Monitoring Event 24	
		TCL VOC	TAL Elements	Field Parameters[a]	Gauged	Sampled
Leachate Station Seep						
SEEP-1	Bi-Annual	X	X	X	NR	X[c]
SEEP-3	Bi-Annual	X	X	X	NR	X[c]
SEEP-4	Bi-Annual	X	X	X	NR	X[d]
SEEP-5	Bi-Annual	X	X	X	NR	X[c]
SEEP-9	Bi-Annual	X	X	X	NR	X[c]
Leachate Station Sediment						
LT-1	Bi-Annual	X	X	NR	NR	X
LT-3	Bi-Annual	X	X	NR	NR	X
LT-4	Bi-Annual	X	X	NR	NR	X
LT-5	Bi-Annual	X	X	NR	NR	X
LT-9	Bi-Annual	X	X	NR	NR	X
Surface Water						
SW-4	Bi-Annual	X	X	X	NR	X
SW-7	Bi-Annual	X	X	X	NR	X
SW-8	Bi-Annual	X	X	X	NR	X
SW-9	Bi-Annual	X	X	X	NR	X
SW-15	Annual[f]	NR	X	X	NR	X
SW-16	Annual[f]	NR	X	X	NR	X
Sediment						
SED-9	Annual[f]	NR	X	NR	NR	X[e]
SED-15	Annual[f]	NR	X	NR	NR	X[e]
SED-16	Annual[f]	NR	X	NR	NR	X[e]
SED-17	Annual[f]	NR	X	NR	NR	X[e]
SED-18	Annual[f]	NR	X	NR	NR	X[e]
SED-19	Annual[f]	NR	X	NR	NR	X[e]

(c) Samples were analyzed for pesticides by EPA Method 8081A.
(d) SEEP-4 was dry, no sample collected.
(e) Samples were analyzed for pesticides by EPA Method 8081A, and grain size and total organic carbon by Lloyd Kahn.
(f) Annual samples collected in September.

TABLE 2
SUMMARY OF LONG-TERM MONITORING PROGRAM AT EASTERN PLUME

Sample Type/Location	Monitoring Frequency	Well Location	Sample Parameters		Monitoring Event 24	
			TCL VOC	Field Parameters[a]	Gauged	Sampled
Shallow Monitoring Wells						
MW-105B	Bi-Annual	Perimeter	NR	X	X	X
MW-106	Bi-Annual	NA	NR	NR	X	NR
MW-206B	Bi-Annual	NA	NR	NR	X	NR
MW-207B	Bi-Annual	NA	NR	NR	X	NR
MW-209	Bi-Annual	NA	NR	NR	X	NR
MW-222	Bi-Annual	NA	NR	NR	X	NR
MW-223	Bi-Annual	NA	NR	NR	X	NR
MW-224	Bi-Annual	Perimeter	X[b]	X	X	X
MW-225B	Bi-Annual	NA	NR	NR	X	NR
MW-229B	Bi-Annual	NA	NR	X	X	X
MW-231B	Bi-Annual	Sentinel	X[b]	X	X	X
MW-307	Bi-Annual	NA	NR	NR	X	NR
MW-318	Bi-Annual	Sentinel	X[b]	X	X	X
MW-332	Bi-Annual	Interior Plume	X[b]	X	X	X
MW-1104	Bi-Annual	Perimeter	X[b]	X	X	X
Deep Monitoring Wells						
MW-105A	Bi-Annual	Perimeter	X[b]	X	X	X
MW-205	Bi-Annual	Interior Plume	X[c]	X	X	X
MW-206A	Bi-Annual	NA	NR	NR	X	NR
MW-207A	Bi-Annual	Interior Plume	Destroyed and replaced with MW-207AR			
MW-207AR(M,D)	Bi-Annual	Interior Plume	X[b]	X	X	X
MW-208	Bi-Annual	NA	NR	NR	X	NR
MW-225A	Bi-Annual	Perimeter	X[b]	X	X	X
MW-229A	Bi-Annual	Perimeter	X[b]	X	X	X
MW-230A	Bi-Annual	Sentinel	X[b]	X	X	X
MW-230B	Bi-Annual	Sentinel	NR	NR	X	NR
MW-231A	Bi-Annual	Sentinel	X[b]	X	X	X
MW-303	Bi-Annual	Sentinel	X[b]	X	X	X
MW-305	Bi-Annual	Sentinel	X[b]	X	X	X
MW-306	Bi-Annual	Perimeter	X[b]	X	X	X
MW-310	Bi-Annual	NA	NR	NR	X	X
MW-311(M,D)	Bi-Annual	Interior Plume	X[b]	X	X	X
MW-312	Bi-Annual	NA	NR	NR	X	NR

(a) Determination of field parameters in accordance with U.S. Environmental Protection Agency 600/4-79/020 using the following methods: pH (Method 150.1), temperature (Method 170.1), specific conductance (Method 120.1), and turbidity (Method 180.1). Optional field parameters, including dissolved oxygen (Method 360.1) and Eh, were also recorded. The field parameters also include the collection of the water level measurement.
(b) The groundwater sample was collected utilizing the diffusion sampler method.
(c) The groundwater sample was collected utilizing the low-flow sampling method.

NOTE:
- TCL = Target Compound List.
- VOC = Volatile organic compound.
- NR = Sampling is not required as per the draft final Long-Term Monitoring Plan (EA 2000a).
- NA = Not applicable. Well is not sampled, therefore, location is not indicated.
- Perimeter = Located at the edge of the plume to monitor concentrations of plume boundary.
- Sentinel = Outside area of known contamination to be used to warn of plume migration.
- Interior Plume = Within area of known contamination to monitor plume migration.

TABLE 2 (continued)
SUMMARY OF LONG-TERM MONITORING PROGRAM AT EASTERN PLUME

Sample Type/Location	Monitoring Frequency	Well Location	Sample Parameters		Monitoring Event 24	
			TCL VOC	Field Parameters[a]	Gauged	Sampled
Deep Monitoring Wells (continued)						
MW-313	Bi-Annual	Sentinel	X[b]	X	X	X
MW-315A	Bi-Annual	Sentinel	X[b]	X	X	X
MW-319	Bi-Annual	Interior Plume	X[b]	X	X	X
MW-330	Bi-Annual	Perimeter	X[b]	X	X	X
MW-331	Bi-Annual	Interior Plume	X[b]	X	X	X
MW-333	Bi-Annual	Sentinel	X[b]	X	X	X
MW-334	Bi-Annual	Sentinel	X[b]	X	X	X
MW-335D	Bi-Annual	Sentinel	X[b]	X	X	X
MW-336S	Bi-Annual	Sentinel	X[b]	X	X	X
MW-337	Bi-Annual	Sentinel	X[b]	X	X	X
MW-338A	Bi-Annual	Sentinel	X[b]	X	X	X
MW-338B	Bi-Annual	Sentinel	X[b]	X	X	X
MW-338C	Bi-Annual	Sentinel	X[b]	X	X	X
MW-339	Bi-Annual	Sentinel	X[b]	X	X	X
MW-NASB-212	Bi-Annual	Perimeter	X[b]	X	X	X
Bedrock Monitoring Wells						
MW-308	Bi-Annual	Sentinel	X[b]	X	X	X
MW-309A	Bi-Annual	NA	NR	NR	X	NR
MW-309B	Bi-Annual	Sentinel	X[b]	X	X	X
MW-316A	Bi-Annual	NA	NR	NR	X	NR
MW-316B	Bi-Annual	NA	NR	NR	X	NR
MW-317A	Bi-Annual	NA	NR	NR	X	NR
MW-317B	Bi-Annual	NA	NR	NR	X	NR
MW-323	Bi-Annual	NA	X[c]	X	X	X
Shallow P-Series Piezometers						
P-103	Bi-Annual	NA	NR	NR	X	NR
P-111	Bi-Annual	Perimeter	X[c]	X	X	X
P-121	Bi-Annual	NA	NR	NR	X	NR
P-132	Bi-Annual	Sentinel	X[b]	X	X	X
Deep P-Series Piezometers						
PZ-1	Bi-Annual	NA	NR	NR	X	NR
PZ-2	Bi-Annual	NA	NR	NR	X	NR
PZ-6	Bi-Annual	NA	NR	NR	X	NR
PZ-11	Bi-Annual	NA	NR	NR	X	NR
P-105	Bi-Annual	NA	NR	NR	X	NR
P-106	Bi-Annual	Interior Plume	X[c]	X	X	X
P-123	Bi-Annual	NA	Frozen			
Extraction Wells						
EW-01	Bi-Annual	Interior Plume	X	X	X	X
EW-02A	Bi-Annual	Interior Plume	X	X	X	X
EW-04	Bi-Annual	Interior Plume	Not Sampled – Failed Bladder Pump			
EW-05A	Bi-Annual	Interior Plume	X	X	X	X
Deep EP-Series Piezometers						
EP-01	Bi-Annual	NA	NR	NR	X	NR
EP-02	Bi-Annual	NA	NR	NR	X	NR
EP-03	Bi-Annual	NA	NR	NR	X	NR
EP-04	Bi-Annual	NA	NR	NR	X	NR

TABLE 2 (continued)
SUMMARY OF LONG-TERM MONITORING PROGRAM AT EASTERN PLUME

Sample Type/Location	Monitoring Frequency	Well Location	Sample Parameters		Monitoring Event 24	
			TCL VOC	Field Parameters[a]	Gauged	Sampled
Deep EP-Series Piezometers (continued)						
EP-05	Bi-Annual	NA	NR	NR	X	NR
EP-06	Bi-Annual	NA	NR	NR	X	NR
EP-07	Bi-Annual	NA	NR	NR	X	NR
EP-09	Bi-Annual	NA	NR	NR	X	NR
EP-10	Bi-Annual	NA	NR	NR	X	NR
EP-11	Bi-Annual	NA	NR	NR	X	NR
EP-12	Bi-Annual	NA	NR	NR	X	NR
EP-13	Bi-Annual	NA	NR	NR	X	NR
EP-14	Bi-Annual	NA	NR	NR	X	NR
EP-15	Bi-Annual	NA	NR	NR	X	NR
Surface Water						
SW-10	Bi-Annual	NA	X	X	NR	X
SW-11	Bi-Annual	NA	X	X	NR	X
SW-12	Bi-Annual	NA	X	X	NR	X
SW-13	Bi-Annual	NA	X	X	NR	X
SW-14	Bi-Annual	NA	X	X	NR	X
GP-1A	Bi-Annual	NA	NR	NR	X	NR
GP-2A	Bi-Annual	NA	NR	NR	X	NR
GP-3B	Bi-Annual	NA	NR	NR	X	NR
GP-4A	Bi-Annual	NA	NR	NR	X	NR
GP-5B	Bi-Annual	NA	NR	NR	X	NR
GP-6A	Bi-Annual	NA	No Reading – Gauge Stick Fell Over			
Seep						
SEEP-10	Bi-Annual	NA	X	X	NR	X
SEEP-11	Bi-Annual	NA	X	X	NR	X
Sediment						
SED-11	Bi-Annual	NA	X[d]	NR	NR	X
Other						
TPE	Bi-Annual	NA	X[d]	NR	NR	X
Raw Influent	Bi-Annual	NA	X[d]	NR	NR	X

(d) Sediment samples to be analyzed for Target Analyte List elements, organochlorine pesticides by U.S. Environmental Protection Agency Method 8081, total organic carbon, and grain size.

TABLE 3
MONITORING WELL GAUGING SUMMARY FOR 7 APRIL 2004
AT SITES 1 AND 3

Well Designation	Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of well riser)	Slurry Wall	Depth to Water (ft below top of well riser)	Groundwater Elevation (ft MSL)
Shallow Monitoring Wells					
MW-201R	58.88	49.08	Outside	12.1	46.78
MW-202A	52.40	31.09	Outside	21.23	31.17
MW-203	52.75	42.04	Outside	31.28	21.47
MW-204	50.50	37.18	Outside	29.51	20.99
MW-210B	54.72	40.50	Outside	28.65	26.07
MW-211B	65.44	36.50	Inside	33.6	31.84
MW-215R	62.26	59.00	Inside	31.44	30.82
MW-217B	61.25	32.90	Inside	29.8	31.45
MW-234R	68.55	59.52	Inside	37.55	31.00
MW-240	52.21	42.60	Outside	30.55	21.66
MW-2101	61.05	30.00	Outside	12.13	48.92
Deep Monitoring Wells					
MW-216A	71.17	47.71	Inside	39.58	31.59
MW-217A	61.78	47.40	Inside	31.24	30.54
MW-218	54.16	53.54	Outside	33.58	20.58
MW-219	51.87	71.82	Outside	29.68	22.19
MW-220	47.20	51.50	Outside	25.78	21.42
MW-232A	71.18	54.74	Inside	39.95	31.23
MW-233R	63.94	38.71	Inside	32.96	30.98
Bedrock Monitoring Wells					
MW-210A	52.17	106.32	Outside	18.0	34.17
MW-210R	55.90	112.35	Inside	20.92	34.98
MW-211A	65.59	142.76	Inside	24.54	41.05
Extraction Wells					
EW-06	57.74	39.05	Inside	23.3	34.44
EW-07	51.13	38.90	Inside	25.32	25.81
Shallow EP Series Piezometers					
EP-16	58.92	58.77	Inside	32.72	26.2
EP-17	69.73	42.85	Inside	38.29	31.44
EP-18	68.58	38.10	Inside	37.19	31.39
EP-19	68.22	47.30	Inside	37.03	31.19
EP-20	69.55	47.25	Inside	38.1	31.45

NOTE: MSL = Mean sea level.

TABLE 4
MONITORING WELL GAUGING SUMMARY FOR APRIL 2004
EASTERN PLUME

Well Designation	Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of well riser)	Depth to Water (ft below top of well riser)	Groundwater Elevation (ft MSL)
Shallow Monitoring Wells				
MW-105B	24.55	21.91	8.02	16.53
MW-106	51.26	37.27	20.21	31.05
MW-206B	42.77	27.17	17.69	25.08
MW-207B	22.90	9.21	3.45	19.45
MW-209	54.84	32.38	23.00	31.84
MW-222	57.43	45.34	24.67	32.76
MW-223	53.71	42.61	22.2	31.51
MW-224	57.63	46.01	23.92	33.71
MW-225B	46.25	42.00	18.38	27.87
MW-229B	30.08	33.14	15.51	14.57
MW-231B	46.31	37.99	24.89	21.42
MW-307	62.70	22.21	16.21	46.49
MW-318	24.28	25.14	4.98	19.3
MW-332	25.33	21.03	9.56	15.77
MW-1104	60.09	27.55	10.6	49.49
Deep Monitoring Wells				
MW-105A	24.19	47.75	1.22	22.97
MW-205	45.99	79.00	22.55	23.44
MW-206A	43.02	74.36	16.95	26.07
MW-207A	Destroyed and replaced with MW-207AR			
MW-207AR(a)	23.42	(a)	Artesian well	Artesian well
MW-208	49.40	102.80	18.08	31.32
MW-225A	45.95	76.03	16.74	29.21
MW-229A	33.83	64.97	12.46	21.37
MW-230A	36.32	81.49	14.47	21.85
MW-230B			17.90	
MW-231A	45.41	61.19	20.89	24.52
MW-303	44.28	72.75	11.9	32.38
MW-305	43.09	53.51	13.03	30.06
MW-306	52.12	56.98	16.4	35.72
MW-310	53.39	73.25	26.11	27.28
MW-311	21.48	56.25	1.73	19.75
MW-312	35.97	71.15	11.1	24.87
MW-313	21.39	37.47	7.69	13.7
MW-315A	22.86	64.50	1.79	21.07
MW-319	40.16	72.60	10.14	30.02
MW-330B	35.71	36.36	5.6	30.11
MW-331	30.54	56.23	Artesian well	Artesian well
MW-333	27.25	42.85	9.78	17.47

(a) MW-207AR was completed in 2002 and has not been sounded for total depth.

NOTE: MSL = Mean sea level.

TABLE 4 (continued)
MONITORING WELL GAUGING SUMMARY FOR APRIL 2004
EASTERN PLUME

Well Designation	Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of well riser)	Depth to Water (ft below top of well riser)	Groundwater Elevation (ft MSL)
Deep Monitoring Wells (continued)				
MW-334	30.93	47.80	10.4	20.53
MW-335	40.91	86.00	18.55	22.36
MW-336	29.62	26.00	10.98	18.64
MW-337	37.19	85.00	15.23	21.96
MW-338A	21.37	91.00	1.15	20.22
MW-338B	21.48	70.00	1.85	19.63
MW-338C	21.65	52.00	3.68	17.97
MW-339	22.54	72.00	2.94	19.60
MW-NASB-212	41.64	64.29	8.81	32.83
Bedrock Monitoring Wells				
MW-308	37.70	73.25	3.67	34.03
MW-309A	22.84	72.71	Artesian well	Artesian well
MW-309B	22.32	59.25	0.5	21.82
MW-316A	53.71	103.10	20.33	33.38
MW-316B	54.40	57.85	9.42	44.98
MW-317A	71.35	120.79	12.72	58.63
MW-317B	70.10	96.95	11.42	58.68
MW-323	55.90	39.00	16.68	39.22
Shallow P-Series Piezometers				
P-103	60.35	28.75	23.46	36.89
P-111	31.48	9.98	4.55	26.93
P-121	50.78	17.35	15.75	35.03
P-132	42.95	32.46	18.13	24.82
Deep P-Series Piezometers				
PZ-1	47.88	58.00	24.98	22.9
PZ-2	39.66	55.50	18.76	20.9
PZ-6	33.14	55.60	14.37	18.77
PZ-11	53.66	41.10	24.43	29.23
P-105	42.08	70.35	8.34	33.74
P-106	38.83	72.40	8.29	30.54
P-123			Frozen	
Extraction Wells				
EW-01	25.34	99.66	4.52	20.82
EW-02A	22.27	66.00	3.21	19.06
EW-04	37.13	69.37	2.58	34.55
EW-05A	37.63	82.00	23.64	13.99

TABLE 4 (continued)
MONITORING WELL GAUGING SUMMARY FOR APRIL 2004
EASTERN PLUME

Well Designation	Well Riser Elevation (ft MSL)	Depth to Well Bottom (ft below top of well riser)	Depth to Water (ft below top of well riser)	Groundwater Elevation (ft MSL)
Deep EP-Series Piezometers				
EP-01	31.67	101.22	8.25	23.42
EP-02	29.74	99.00	6.58	23.16
EP-03	27.91	89.21	5.55	22.36
EP-04	32.59	91.11	4.07	28.52
EP-05	34.61	79.85	4.82	29.79
EP-06	40.14	83.51	10.91	29.23
EP-07	48.49	70.20	16.83	31.66
EP-08	47.31	80.38	15.39	31.92
EP-09	37.84	62.46	Frozen	Frozen
EP-10	37.78	57.73	Frozen	Frozen
EP-11	41.59	65.03	6.85	34.74
EP-12	49.38	69.61	14.68	34.7
EP-13	38.96	70.93	4.39	34.57
EP-14	43.46	80.05	8.98	34.48
EP-15	45.37	82.68	11.16	34.21

Surface Water Gauging Stations			
Well Designation	Gauging Point Elevation (ft MSL)	Depth to Water (ft below gauging point)	Surface Water Elevation (ft MSL)
GP-1A	25.39	2.91	22.48
GP-2A	23.92	1.72	22.2
GP-3B	31.15	0.95	30.2
GP-4A	17.68	1.36	16.32
GP-5B	12.09	3.4	8.69
GP-6A	7.46	No reading	NA

TABLE 5
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM (BUILDING 50)

Date	EW-1					EW-2A				
	Days Operated	Ave Flow rate	Total Run Time	Percent Operation	Water Treated	Days Operated	Ave Flow rate	Total Run Time	Percent Operation	Water Treated
	Days	GPM	Hours		Gallons	Days	GPM	Hours		Gallons
Nov-03	30	6	702.8	97.60%	252990	30	5	702.8	97.60%	210825
Dec-03	31	6	687.9	92.46%	247647.6	31	5	676.9	90.98%	203073
Jan-04	31	5.2	647.8	87.06%	233190	31	4.4	647.8	87.06%	194325
Feb-04	29	5.8	674.4	96.90%	242791	29	4.8	674.4	96.90%	202326
Mar-04	31	6	743.9	99.99%	267804	31	6	743.9	99.99%	223170
Apr-04	30	6	715.8	99.41%	257670	30	4.4	715.8	99.41%	190440
Totals	182	5.8	4172.5	95.57%	1502093	182	4.9	4161.5	95.3%	1029033

Date	EW-4					EW-5A				
	Days Operated	Ave Flow rate	Total Run Time	Percent Operation	Water Treated	Days Operated	Ave Flow rate	Total Run Time	Percent Operation	Water Treated
	Days	GPM	Hours		Gallons	Days	GPM	Hours		Gallons
Nov-03	9	35	205.0	28.47%	430500	30	7	702.8	97.60%	295155
Dec-03	0	0	0	0.00%	0	31	7	676.9	90.98%	284302.2
Jan-04	0	0	0	0.00%	0	31	6.1	647.8	87.06%	272055
Feb-04	0	0	0	0.00%	0	29	6.8	674.4	96.90%	283256
Mar-04	0	0	0	0.00%	0	31	7	743.9	99.99%	312438
Apr-04	0	0	0	0.00%	0	30	7	715.8	99.41%	300615
Totals	9	5.8	205.0	4.7%	430500	182	6.8	4161.5	95.3%	1747822

Totals	555	-	12700.4	72.69%	4709447

TABLE 6
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN LOW-FLOW GROUNDWATER SAMPLES COLLECTED IN APRIL 2004 AT SITES 1 AND 3

Well Designation	Location Relative to Slurry Wall	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Shallow Monitoring Wells							
MW-202A	Outside	6.21	13.97	892	1.26	5.31	-68.5
MW-203	Outside	5.92	14.01	394	6.70	1	77
MW-204	Outside	6.52	9.95	50	11.00	1	104.9
MW-217B[a]	Inside	6.67	15.28	976	2.68	(b)	-108.6
MW-240	Outside	6.00	14.55	188	6.97	7.19	82.9
MW-2101	Outside	5.12	17.24	135	7.74	0	381
Deep Monitoring Wells							
MW-218	Outside	7.70	10.26	1153	1.66	6	-189.4
MW-219	Outside	5.72	7.74	305	9.80	1	209.2

(a) MW 217B was sampled by low-flow and a passive aqueous diffusion bag.
(b) Well went dry, water was cloudy with particles.

NOTE: NTU = Nephelometric turbidity unit.

TABLE 7
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN LOW-FLOW GROUNDWATER SAMPLES COLLECTED IN APRIL 2004 AT EASTERN PLUME

Well Designation	pH	Temperature (°C)	Conductivity (µmhos/-cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Bedrock Monitoring Wells						
MW-323	7.56	9.52	141	4.36	3	0.1
Shallow P-Series Piezometers						
P-111	6.68	7.55	130	0.59	4	-27
Deep P-Series Piezometers						
P-106	7.12	7.83	126	7.39	1.7	149.1

NOTE: NTU = Nephelometric turbidity unit.

TABLE 8
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN AQUEOUS DIFFUSION GROUNDWATER SAMPLES COLLECTED IN APRIL 2004 AT EASTERN PLUME

Well Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Shallow Monitoring Wells						
MW-224	6.09	8.11	69	11.01	---	205
MW-231B	6.39	7.80	82	10.73	---	54.2
MW-318	8.06	7.60	121	0.20	---	-178.9
MW-332	7.25	4.37	106	10.26	---	11.5
MW-1104	7.37	7.59	182	7.29	---	67
Deep Monitoring Wells						
MW-105A	6.49	8.07	624	9.62	---	146.2
MW-205	10.09	8.30	157	8.47	---	-53
MW-207AR	7.23	8.18	237	0.02	---	-1.4
MW-225A	6.51	7.65	180	2.04	---	165.5
MW-229A	7.22	7.90	103	8.80	---	167
MW-230A	7.62	8.05	136	1.33	---	-137
MW-231A	7.27	7.95	61	10.91	---	55.5
MW-303	7.60	7.30	203	0.64	---	196.0
MW-305	8.64	7.76	183	0.30	---	-108.3
MW-306	7.25	10.21	80	11.94	---	102.6
MW-311 [a]	6.64	8.31	748	0.43	---	-114.2
MW-313	8.14	7.43	254	0.07	---	-105
MW-315A	8.04	8.04	152	0.32	---	-178
MW-319	6.41	8.49	392	0.96	---	88
MW-330	7.90	8.03	117	0.80	---	-153
MW-331	6.33	8.23	369	1.37	0.8	107.7
MW-333	7.47	6.98	212	4.99	---	219.5
MW-334	7.35	8.85	169	0.24	---	-92.1
MW-335	8.63	7.8	293	0.32	---	-283.1
MW-336	6.92	6.54	32	12.03	---	138.2
MW-337	7.31	8.56	159	0.28	---	-157.7
MW-338A	8.73	8.33	1107	0.01	---	-184.5
MW-338B	8.0	8.25	112	0.31	---	-192.1
MW-338C	7.93	8.23	59	6.16	---	77.5
MW-339	7.89	8.14	118	0.46	---	-166.7
MW-NASB-212	7.13	8.03	335	0.74	---	-165
Bedrock Monitoring Wells						
MW-308	8.80	8.45	892	0.43	---	-262
MW-309B	8.51	8.44	270	0.22	---	-295

TABLE 8 (continued)
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN AQUEOUS DIFFUSION GROUNDWATER SAMPLES COLLECTED IN APRIL 2004 AT EASTERN PLUME

Well Designation	pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen mg/L)	Turbidity (NTU)	Eh (mV)
Shallow P-Series Piezometers						
P-132	8.33	7.62	101	3.04	---	-95.2

(a) Water quality parameters taken from the deep interval.

NOTE: NTU = Nephelometric turbidity unit.
Dashes (---) indicate data not collected from diffusion samplers as deionized water is used to construct sampling apparatus.

TABLE 9
SUMMARY OF NATURAL ATTENUATION SAMPLING LOCATIONS AT EASTERN PLUME

Sample Type/Location(e)	Well Location	Sample Parameters		Monitoring Event 24	
		Monitored Natural Attenuation Parameters[a]	Field Parameters[b]	Gauged	Sampled
Shallow Monitoring Wells					
MW-105B	Perimeter	X	X	X	X
MW-224	Perimeter	X	X	X	X
MW-229B	Interior Plume	X	X	X	X
MW-231B	Sentinel	X	X	X	X
MW-318	Sentinel	X	X	X	X
MW-332	Interior Plume	X	X	X	X
MW-1104	Perimeter	X	X	X	X
Deep Monitoring Wells					
MW-105A	Perimeter	X	X	X	X
MW-212	Interior Plume	X	X	X	X
MW-207AR	Interior Plume	X	X	X	X
MW-229A	Perimeter	X	X	X	X
MW-230A	Sentinel	X	X	X	X
MW-231A	Sentinel	X	X	X	X
MW-303(d)	Sentinel	X	X	X	X
MW-305	Sentinel	X	X	X	X
MW-306	Perimeter	X	X	X	X
MW-310	Sentinel	X	X	X	X
MW-313	Sentinel	X	X	X	X
MW-205	Perimeter	X	X	X	X
MW-330	Perimeter	X	X	X	X
MW-319	Sentinel	X	X	X	X
MW-315A	Sentinel	X	X	X	X
MW-331	Interior Plume	X	X	X	X
MW-333	Sentinel	X	X	X	X
MW-334	Sentinel	X	X	X	X
MW-335	Sentinel	X	X	X	X
MW-336	Sentinel	X	X	X	X
MW-337	Sentinel	X	X	X	X
MW-338A	Sentinel	X	X	X	X
MW-338B	Sentinel	X	X	X	X
MW-338C	Sentinel	X	X	X	X
MW-339	Sentinel	X	X	X	X
P-111	Sentinel	X	X	X	X
P-106	Interior Plume	X	X	X	X

(a) Monitored natural attenuation parameters include: chloride, dissolved oxygen, ferric iron, methane, nitrate, Eh, and sulfate.

(b) Determination of field parameters in accordance with U.S. Environmental Protection Agency 600/4-79/020 using the following methods: pH (Method 150.1), temperature (Method 170.1), specific conductance (Method 120.1), and turbidity (Method 180.1). Optional field parameters, including dissolved oxygen (Method 360.1) and Eh, were also recorded. The field parameters also include the collection of the water level measurement.

(c) MW-302 was determined to be abandoned and replaced with MW-302 based upon communication with EA.

(d) Sample locations and parameters per the MNA technical letter (EA 2004).

NOTE: NA

Perimeter = Located at the edge of the plume to monitor concentrations of plume boundary.
Sentinel = Outside area of known contamination to be used to warn of plume migration.
Interior Plume = Within area of known contamination to monitor plume migration.

TABLE 10
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED FOR NATURAL ATTENUATION SAMPLES COLLECTED IN APRIL 2004 AT EASTERN PLUME

Well Designation	pH	Temperature (°C)	Conductivity (µmhos/cm)	Dissolved Oxygen mg/L)	Turbidity (NTU)	Eh (mV)
Shallow Monitoring Wells						
MW-105B	7.01	12.36	67	10.37	3.3	2.2
MW-224	5.58	15.12	148	7.19	2	178
MW-229B	6.48	12.85	95	8.62	6	123
MW-231B	6.52	11.38	93	11.19	6.9	88.2
MW-318	6.56	10.41	76	5.30	6.27	29.7
MW-332	5.99	8.07	113	9.97	3.41	82.9
MW-1104	6.38	10.16	167	3.49	3	82
Deep Monitoring Wells						
MW-105A	6.43	8.23	371	10.42	1	137.6
MW-205	7.88	12.25	132	8.88	26	37
MW-207AR	7.26	8.64	210	0.04	45	-4.3
MW-229A	7.34	9.24	107	8.48	15	111
MW-230A	7.50	9.20	130	0.72	4	-159.0
MW-231A	6.75	9.45	73	9.41	5	34.1
MW-303	8.71	9.18	225	0.61	1	-211
MW-305	9.09	9.04	129	0.60	28	-150.3
MW-306	6.31	9.83	64	12.41	2.79	138
MW-310	6.23	9.06	139	8.62	2.1	68.5
MW-313	8.02	9.13	159	0.26	33	-131
MW-315A	7.95	10.63	132	0.4	24	-203.7
MW-331	6.33	8.23	369	1.37	0.8	107.7
MW-333	7.84	9.14	185	0.82	15	-117.9
MW-334	8.2	10.27	188	0.07	8	-212.5
MW-335	8.07	9.89	255	0.42	7	-230
MW-336	6.07	8.40	35	9.70	5	146.1
MW-338A	8.79	7.78	1053	0.25	44.1	-174.6
MW-338B	8.09	8.68	109	0.47	14	-174
MW-338C	8.06	8.75	75	6.55	8	-76.9
MW-339	8.22	8.55	110	0.59	3.68	-202.3
MW-NASB-212	6.13	11.12	223	0.76	9	-99
Shallow P-Series Piezometers						
P-111	6.68	7.55	130	0.59	4	-27
Deep P-Series Piezometers						
P-106	7.12	7.83	126	7.39	1.7	149.1

NOTE: NTU = Nephelometric turbidity unit.

TABLE 11
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN WATER SAMPLES COLLECTED FROM EXTRACTION WELLS AND THE TREATMENT PLANT IN APRIL 2004 AT EASTERN PLUME

Well Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Extraction Wells						
EW-01	7.29	9.94	202	6.41	>1,100	103.2
EW-02A	6.74	9.68	326	7.66	34.1	-38.1
EW-04	Not Sampled – Failed Bladder Pump					
EW-05A	7.51	8.99	98	7.27	5.55	48.5
Groundwater Treatment Plant						
Eastern Plume Raw Influent	7.77	7.47	186	8.19	2.25	75.2
Combined Effluent	8.21	8.13	193	10.67	0.1	---

NOTE: NTU = Nephelometric turbidity unit
Dashes (---) indicate parameter not taken.

TABLE 12
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER AND SEEP SAMPLES COLLECTED IN APRIL 2004 AT SITES 1 AND 3

Sample Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
Surface Water						
SW-4	6.84	8.79	171	11.83	2.99	76.7
SW-7	6.93	8.78	158	11.52	1.26	80.6
SW-8	7.92	8.55	213	11.99	3.8	-90.1
SW-9	6.97	8.69	213	12.08	---	-11.6
SW-15	Not sampled (only in September)					
SW-16	Not sampled (only in September)					
Seep						
SEEP-1	6.85	7.75	873	2.94	450	120.3
SEEP-3	7.06	6.50	603	0.70	>1100	53.1
SEEP-4	No Water Present					
SEEP-5	6.32	10.11	645	0.37	320	-103.1
SEEP-9	7.16	9.07	309	0.42	---	-207.7

NOTE: NTU = Nephelometric turbidity unit.

TABLE 13
SUMMARY OF WATER QUALITY INDICATOR PARAMETERS MEASURED IN SURFACE WATER SAMPLES COLLECTED IN APRIL 2004 AT EASTERN PLUME

Sample Designation	pH	Temperature (°C)	Conductivity (μmhos/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Eh (mV)
Surface Water						
SW-10	8.5	8.16	136	16.2	2	136.5
SW-11	7.39	7.23	132	18.68	2	135.3
SW-12	7.25	7.12	117	19.46	2	140
SW-13	7.54	6.91	48	17.64	5	143.4
SW-14	7.2	6.86	75	16.59	4	133.3
Seep						
SEEP-10	7.85	2.95	36	10.14	5	261.4
SEEP-11	7.11	10.38	111	11.52	112	319.9

NOTE: NTU = Nephelometric turbidity unit.

TABLE 14
SUMMARY OF AQUEOUS DIFFUSION SAMPLERS – APRIL 2004

Monitoring Well (Well Depth)	Monitoring Event 24 Groundwater Total VOC Concentration[a]	Well Type	Summary of Monitoring Event 24 Diffusion Sampler Study Results
Sampling Group 1			
MW-105A (Deep)	Low	Perimeter	No VOCs detected
MW-205 (Deep)	Moderate	Interior Plume	Moderate VOCs reported in sample (63.9 µg/L)
MW-NASB-212 (Deep)	Moderate	Perimeter	Moderate VOCs reported in sample (8.6 µg/L)
MW-224 (Shallow)	Moderate	Perimeter	Moderate VOCs reported in sample (19.2 µg/L)
MW-229A (Deep)	Moderate	Perimeter	Moderate VOCs reported in sample (41.4 µg/L)
MW-306 (Deep)	Moderate	Perimeter	Moderate VOCs reported in sample (5.57 µg/L)
MW-311 (Deep)	Moderate	Interior Plume	Moderate VOCs reported in sample (119 µg/L)
MW-319 (Deep)	Low	Interior Plume	Moderate VOCs reported in sample (39.5 µg/L)
MW-331 (Deep)	High	Interior Plume	High VOCs reported in sample (1,024 µg/L)
MW-332 (Shallow)	Moderate	Interior Plume	Moderate VOCs reported in sample (85.7 µg/L)
Sampling Group 2			
MW-1104 (Shallow)	Low	Perimeter	No VOCs detected
MW-207AR[b]	Moderate	Interior Plume	Moderate VOCs reported in sample (49.15 µg/L)
MW-217B (Deep)[b]	Low	Interior Plume	Moderate VOCs reported in sample (45.54 µg/L)
MW-225A (Deep)	Moderate	Perimeter	Moderate VOCs reported in sample (34.2 µg/L)
MW-230A (Deep)	Low	Sentinel	Moderate VOCs reported in sample (7.02 µg/L)
MW-231A (Deep)	Low	Sentinel	No VOCs detected
MW-231B (Shallow)	Low	Sentinel	No VOCs detected
MW-303 (Deep)	Low	Sentinel	No VOCs detected
MW-305 (Deep)	Low	Sentinel	No VOCs detected
MW-308 (Bedrock)	Low	Sentinel	No VOCs detected
MW-309B (Bedrock)	Low	Sentinel	No VOCs detected
MW-330 (Deep)	Low	Sentinel	No VOCs detected
MW-313 (Shallow)	Moderate	Sentinel	Low VOCs reported in samples (4.1 µg/L)
MW-318 (Shallow)	Low	Sentinel	No VOCs detected
MW-333 (Deep)	Moderate	Sentinel	Moderate VOCs reported in samples (14.02 µg/L)
MW-334 (Deep)	Low	Sentinel	Low VOCs reported in samples (1.1 µg/L)
P-132 (Shallow)	Low	Sentinel	No VOCs detected

(a) High concentration = >greater than 400 µg/L; moderate contamination from 400 µg/L to 5 µg/L; low contamination = less than <5 µg/L.
(b) MW-207AR and MW-217B were not included in original Pilot Test Group No. 2.

NOTE: VOC = Volatile organic compound.

TABLE 15
SUMMARY OF NATURAL ATTENUATION PARAMETERS ANALYSIS ON APRIL 2004 GROUNDWATER SAMPLING AT SELECTED MONITORING WELL LOCATIONS, EASTERN PLUME

Analysis	Method/ Reference	Data Use	Method Reporting Limit	Precision	Technical Feasibility and Method Reporting Limit Achievability
Alkalinity	EPA Method 310.1	Measure buffering capacity of groundwater	5 mg/L	RPD < 20%	YES RL = 5 ppm
Chloride	EPA Method 325.3	Chloride is final product of chlorinated solvent reduction	1 mg/L	RPD < 20%	YES RL = 1 ppm
Iron (Ferrous Fe^{+2})[(a)]	Standard Method 18th -20th edition 3500 Fe D	Indicates anaerobic degradation process	25 µg/L		YES RL = 100 ppb
Total Iron (Ferric and Ferrous)	EPA SW 846 Method 6020 (ICP-MS)	Indication of iron speciation and degradation process	25 µg/L	RPD < 20%	YES RL = 50 ppb (New Jersey lab)
Manganese	EPA SW 846 Method 6020 (ICP-MS)	Indicates an anoxic degradation process	1 µg/L	RPD < 20%	YES RL = 1 ppb (New Jersey lab)
Arsenic	EPA SW 846 Method 6020 (ICP-MS)	Indication of reductive dissolution, reducing conditions and dechlorination of volatile organic compounds	2.5 µg/L	RPD < 20%	YES RL = 2 ppb (New Jersey lab)
Nitrate and Nitrite	EPA Method 353.2	Substrate for microbial respiration if oxygen is depleted	0.1 mg/L	RPD < 20%	YES RL = 0.1 ppm
Nitrite	EPA Method 354.1	Substrate for microbial respiration if oxygen is depleted			YES RL = 0.02 ppm
Sulfate	EPA Method 375.4	Substrate for anoxic microbial respiration	5 mg/L		**YES** RL = 5 ppm
Methane, Ethane, and Ethene[(b)]	US EPA Region I Methane, Ethane, and Ethene SOP.	Determine if biological transformation is occurring	1 µg/L	RPD < 20%	YES RL = 1 ppb
Total Organic Carbon	EPA Method 415.1	Determine potential for reductive dechlorination	1 mg/L		YES RL = 1 ppm

(a) Ferrous iron will be analyzed using Standard Method 18th – 20th Edition 3500 Fe D for any future sampling rounds for this parameter.
(b) Methane, ethane, and ethene will be analyzed using the Kampbell and Vandegrift 1998 method (U.S. EPA 2001) for any future sampling rounds for these monitored natural attenuation parameters.

NOTE: EPA = U.S. Environmental Protection Agency.
RPD = Relative percent difference.
RL = Reporting limit.
The information presented in this table was partially provided by the Environmental Chemical Corporation's contracted laboratory (Accutest Laboratories of New England, Marlborough, Massachusetts).

TABLE 16
NATURAL ATTENUATION ANALYTICAL PARAMETERS, WEIGHTING, AND INTERPRETATION FOR GROUNDWATER

Analyte	Concentration in Most Contaminated Zone	Interpretation	Points Awarded
Oxygen[a]	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	3
Oxygen[a]	>5 mg/L	Not tolerated; however, vinyl chloride may be oxidized aerobically	-3
Nitrate[a]	<1 mg/L	At higher concentrations may compete with reductive pathway	2
Iron (II) [a]	>1 mg/L	Reductive pathway possible; vinyl chloride may be oxidized under Fe (III)-reducing conditions	3
Sulfate[a]	<20 mg/L	At higher concentrations may compete with reductive pathway	2
Sulfide[a]	>1 mg/L	Reductive pathway possible	3
Methane[a]	<0.5 mg/L	Vinyl chloride oxidizes	0
	>0.5 mg/L	Ultimate reductive daughter product, vinyl chloride accumulates	3
Oxidation reduction potential[a]	<50 millivolts (mV)	Reductive pathway possible	1
	<-100 mV	Reductive pathway likely	2
pH[a]	5<pH<9	Optimal range for reductive pathway	0
	5>pH>9	Outside optimal range for reductive pathway	-2
Total organic carbon	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	2
Temperature[a]	>20°C	At T>20°C biochemical process is accelerated	1
Carbon dioxide	>2x background	Ultimate oxidative daughter product	1
Alkalinity	>2x background	Results from interaction between carbon dioxide and aquifer minerals	1
Chloride[a]	>2x background	Daughter product of organic chlorine	2
Hydrogen	>1 nM	Reductive pathway possible, vinyl chloride may accumulate	3
Hydrogen	<1 nM	Vinyl chloride oxidized	0
Volatile fatty acids	>0.1 mg/L	Intermediates resulting from biodegradation of more complex compounds; carbon and energy source	2

(a) Required analysis.

Score		Interpretation
0-5	=	Inadequate evidence for biodegradation of chlorinated organics.
6-14	=	Limited evidence for biodegradation of chlorinated organics.
15-20	=	Adequate evidence for biodegradation of chlorinated organics.
>20	=	Strong evidence for biodegradation of chlorinated organics.

TABLE 16 (continued)
NATURAL ATTENUATION ANALYTICAL PARAMETERS, WEIGHTING, AND INTERPRETATION FOR GROUNDWATER

Analyte	Concentration in Most Contaminated Zone	Interpretation	Points Awarded
BTEX[a]	>0.1 mg/L	Carbon and energy source; drives dechlorination	2
Tetrachloroethene Trichloroethene[a]		Material released Material released Daughter product of tetrachloroethene	0 0 2[b]
Dichloroethene[a]		Material released Daughter product of trichloroethene If *cis* is >80 percent of total dichloroethene, it is likely a daughter product 1,1-dichloroethene can be chemical reaction product of trichloroethane	0 2[b]
Vinyl chloride[a]		Material released Daughter product of dichloroethene	0 2[b]
1,1,1-Trichloroethane[a]		Material released	0
Dichloroethane		Daughter product of trichloroethane under reducing conditions	2
Carbon Tetrachloride		Material released	0
Chloroethane[a]		Daughter product of dichloroethane or vinyl chloride under reducing conditions	2
Ethene/Ethane	>0.01 mg/L >0.1 mg/L	Daughter product of vinyl chloride/ethane	2 3
Chloroform		Material released Daughter product of carbon tetrachloride	0 2
Dichloromethane		Material released	0
		Daughter product of chloroform	2

(b) Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source non-aqueous phase liquid).

TABLE 17 NATURAL ATTENUATION SCORING RESULTS FOR GROUNDWATER SAMPLES COLLECTED FROM THE EASTERN PLUME 13-22 APRIL 2004

			MW-105A		MW-105B		MW-1104		MW-205	
Total Score	Evaluation Criteria	Score		-3		2		2		5
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	10.42	-3	10.37	-3	3.49	0	8.88	-3
Eh	<-100; -100-50; >50	2; 1; 0	137.6	0	2.2	1	82	0	37	1
pH	5<pH<9; 5>pH>9	0; -2	6.43	0	7.01	0	6.38	0	7.88	0
Temperature	>20	1	8.23	0	12.36	0	10.16	0	12.25	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	22.2	0	12.1	0	23.2	0	62.6	1
Chloride	>38.2 (2X Background)	2	ND	0	ND	0	18.1	0	9.1	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	ND	0	ND	0	ND	0	ND	0
Nitrogen, Nitrate	<1	2	2.4	0	ND	2	0.32	2	1.6	0
Sulfate	<20	2	119	0	9	2	22.2	0	ND	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	NC	0	ND	0	24.5	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	NC	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	ND	0	NC	0	ND	0	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	NC	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	NC	0	ND	0	ND	0
Chloroform	Present	2	ND	0	NC	0	ND	0	ND	0
Dichloroethene, Total	Present	2	ND	0	NC	0	ND	0	8.2	2
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	NC	0	ND	0	3.7	0
Total BTEX	>100	2	ND	0	NC	0	ND	0	ND	0
Trichloroethene	Present	2	ND	0	NC	0	ND	0	27.5	2
Vinyl Chloride	Present	2	ND	0	NC	0	ND	0	ND	0

			MW-207AR		MW-224		MW-229A		MW-229B	
Total Score	Evaluation Criteria	Score		15		3		7		4
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.04	3	7.19	-3	8.48	-3	NC	0
Eh	<-100; -100-50; >50	2; 1; 0	-4.3	1	178	0	111	0	NC	0
pH	5<pH<9; 5>pH>9	0; -2	7.26	0	5.58	0	7.34	0	NC	0
Temperature	>20	1	8.64	0	15.12	0	9.24	0	NC	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	67.7	1	7.1	0	30.3	0	8.1	0
Chloride	>38.2 (2X Background)	2	15.6	0	23.7	0	7	0	16.6	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	0.0161	0	ND	0	ND	0	ND	0
Nitrogen, Nitrate	<1	2	ND	2	2.5	0	0.9	2	0.29	2
Sulfate	<20	2	7.6	2	10.1	2	ND	2	5	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	1.4	0	ND	0	13.5	0	NC	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	NC	0
1,1-Dichloroethane	Present	2	0.64	2	ND	0	0.49	2	NC	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	NC	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	NC	0
Chloroform	Present	2	ND	0	ND	0	ND	0	NC	0
Dichloroethene, Total	Present	2	24.6	2	9.5	2	7.5	2	NC	0
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	9.2	0	1.5	0	3.1	0	NC	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	NC	0
Trichloroethene	Present	2	16.1	2	8.2	2	16.8	2	NC	0
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	NC	0

TABLE 17, CONTINUED

			MW-230A		MW-231A		MW-231B		MW-303	
Total Score	Evaluation Criteria	Score		10		2		1		7
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.72	0	9.41	-3	11.19	-3	0.61	0
Eh	<-100; -100-50; >50	2; 1; 0	-159	2	34.1	1	88.2	0	-211	2
pH	5<pH<9; 5>pH>9	0; -2	7.5	0	6.75	0	6.52	0	8.71	0
Temperature	>20	1	9.2	0	9.45	0	11.38	0	9.18	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	42.4	0	13.1	0	15.2	0	128	1
Chloride	>38.2 (2X Background)	2	8.6	0	6.5	0	ND	0	3.5	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	ND	0	ND	0	ND	0	0.141	0
Nitrogen, Nitrate	<1	2	ND	2	0.17	2	ND	2	ND	2
Sulfate	<20	2	ND	2	ND	2	7.6	2	ND	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	0.52	2	ND	0	ND	0	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Chloroform	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloroethene, Total	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	ND	0
Trichloroethene	Present	2	6.6	2	ND	0	ND	0	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	ND	0

			MW-305		MW-306		MW-310		MW-313	
Total Score	Evaluation Criteria	Score		5		3		-1		14
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.6	0	12.41	-3	8.62	-3	0.26	3
Eh	<-100; -100-50; >50	2; 1; 0	-150.3	2	138	0	68.5	0	-131	2
pH	5<pH<9; 5>pH>9	0; -2	9.09	-2	6.31	0	6.23	0	8.02	0
Temperature	>20	1	9.04	0	9.83	0	9.06	0	9.13	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	60.6	1	14.1	0	21.2	0	85.9	1
Chloride	>38.2 (2X Background)	2	4.5	0	17.1	0	16.1	0	22.7	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	0.1	0
Methane	>0.5	3	ND	0	ND	0	ND	0	0.0472	0
Nitrogen, Nitrate	<1	2	ND	2	0.18	2	1.9	0	ND	2
Sulfate	<20	2	7.4	2	6.1	2	7.2	2	ND	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	1	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	ND	0	NC	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	NC	0	ND	0
1,1-Dichloroethane	Present	2	ND	0	ND	0	NC	0	2.5	2
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	NC	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	NC	0	ND	0
Chloroform	Present	2	ND	0	5	2	NC	0	ND	0
Dichloroethene, Total	Present	2	ND	0	ND	0	NC	0	1.6	2
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	ND	0	NC	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	NC	0	ND	0
Trichloroethene	Present	2	ND	0	ND	0	NC	0	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0	NC	0	ND	0

TABLE 17, CONTINUED

			MW-315A		MW-318		MW-319		MW-330	
Total Score	Evaluation Criteria	Score		9		2		10		6
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.4	3	5.3	-3	1.54	0	0.83	0
Eh	<-100; -100-50; >50	2; 1; 0	-203.7	2	29.7	1	121	0	-107	2
pH	5<pH<9; 5>pH>9	0; -2	7.95	0	6.56	0	6.07	0	7.94	0
Temperature	>20	1	10.63	0	10.41	0	10.33	0	11.05	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	43.4	0	25.3	0	26.3	0	31.3	0
Chloride	>38.2 (2X Background)	2	11.6	0	4.5	0	70.5	2	6.5	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	0.0116	0	ND	0	ND	0	ND	0
Nitrogen, Nitrate	<1	2	ND	2	0.11	2	3	0	ND	2
Sulfate	<20	2	ND	2	ND	2	16.5	2	10.5	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	ND	0	ND	0	2.4	2	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Chloroform	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloroethene, Total	Present	2	ND	0	ND	0	2.9	2	ND	0
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	ND	0	29.2	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	ND	0
Trichloroethene	Present	2	ND	0	ND	0	5	2	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	ND	0

			MW-331		MW-332		MW-333		MW-334	
Total Score	Evaluation Criteria	Score		12		9		11		11
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	1.37	0	9.97	-3	0.82	0	0.07	3
Eh	<-100; -100-50; >50	2; 1; 0	107.7	0	82.9	0	-117.9	2	-212.5	2
pH	5<pH<9; 5>pH>9	0; -2	6.33	0	5.99	0	7.84	0	8.2	0
Temperature	>20	1	8.23	0	8.07	0	9.14	0	10.27	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	35.4	0	12.1	0	67.7	1	56.6	0
Chloride	>38.2 (2X Background)	2	70.5	2	17.6	0	19.6	0	17.6	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	ND	0	ND	0	ND	0	ND	0
Nitrogen, Nitrate	<1	2	0.83	2	ND	2	ND	2	ND	2
Sulfate	<20	2	11	2	5.9	2	ND	2	ND	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	1.3	0	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	442	0	38.3	0	ND	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	0.48	0	ND	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	42.4	2	3	2	6.8	2	1.1	2
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Chloroform	Present	2	ND	0	18.7	2	ND	0	ND	0
Dichloroethene, Total	Present	2	305.9	2	14.4	2	6.6	2	ND	0
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	7.4	0	1.2	0	ND	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	ND	0
Trichloroethene	Present	2	226	2	15.7	2	ND	0	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	ND	0

TABLE 17, CONTINUED

			MW-335		MW-336		MW-337		MW-338A	
Total Score	Evaluation Criteria	Score		10		1		8		12
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.42	3	9.7	-3	0.73	0	0.25	3
Eh	<-100; -100-50; >50	2; 1; 0	-230	2	146.1	0	-142.8	2	-174.6	2
pH	5<pH<9; 5>pH>9	0; -2	8.07	0	6.07	0	7.41	0	8.79	0
Temperature	>20	1	9.89	0	8.4	0	9.54	0	7.78	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	80.8	1	ND	0	48.5	0	328	1
Chloride	>38.2 (2X Background)	2	29.7	0	ND	0	11.6	0	131	2
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	ND	0
Methane	>0.5	3	0.0327	0	ND	0	ND	0	0.175	0
Nitrogen, Nitrate	<1	2	ND	2	ND	2	ND	2	ND	2
Sulfate	<20	2	ND	2	ND	2	ND	2	ND	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	2	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Chloroform	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloroethene, Total	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	ND	0
Trichloroethene	Present	2	ND	0	ND	0	1.3	2	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	ND	0

			MW-338B		MW-338C		MW-339		MW-NASB-212	
Total Score	Evaluation Criteria	Score		9		2		6		11
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	0.47	3	6.55	-3	0.59	0	3.1	0
Eh	<-100; -100-50; >50	2; 1; 0	-174	2	-76.9	1	-202.3	2	-160	2
pH	5<pH<9; 5>pH>9	0; -2	8.09	0	8.06	0	8.22	0	6.91	0
Temperature	>20	1	8.68	0	8.75	0	8.55	0	8.94	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	37.4	0	26.3	0	45.5	0	100	1
Chloride	>38.2 (2X Background)	2	7	0	3	0	6.5	0	33.2	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	ND	0	ND	0	0.82	0
Methane	>0.5	3	ND	0	ND	0	ND	0	0.0196	0
Nitrogen, Nitrate	<1	2	ND	2	ND	2	ND	2	ND	2
Sulfate	<20	2	ND	2	ND	2	ND	2	13.9	2
Sulfide	>1	3	NC	0	NC	0	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0	ND	0	1.5	0
1,1,1-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	ND	0	ND	0	ND	0	ND	0
1,1-Dichloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0	ND	0	ND	0
Chloroform	Present	2	ND	0	ND	0	ND	0	ND	0
Dichloroethene, Total	Present	2	ND	0	ND	0	ND	0	1.4	2
Dichloromethane	Present	2	NC	0	NC	0	NC	0	NC	0
Tetrachloroethene	Assume Released	0	ND	0	ND	0	ND	0	ND	0
Total BTEX	>100	2	ND	0	ND	0	ND	0	ND	0
Trichloroethene	Present	2	ND	0	ND	0	ND	0	7.2	2
Vinyl Chloride	Present	2	ND	0	ND	0	ND	0	ND	0

TABLE 17, CONTINUED

			P-106		P-111	
Total Score	Evaluation Criteria	Score		9		5
Dissolved Oxygen	<0.5; 0.5-5; >5	3; 0; -3	7.39	-3	0.59	0
Eh	<-100; -100-50; >50	2; 1; 0	149.1	0	-27	1
pH	5<pH<9; 5>pH>9	0; -2	7.12	0	6.68	0
Temperature	>20	1	7.83	0	7.55	0
Alkalinity, Total as CaCO3	>58.6 (2X Background)	1	55.6	0	35.4	0
Chloride	>38.2 (2X Background)	2	9.1	0	5	0
Ethane	>0.01; >0.1	2; 3	ND	0	ND	0
Ethene	>0.01; >0.1	2; 3	ND	0	ND	0
Hydrogen	>1 nM	1	NC	0	NC	0
Iron, Ferrous	>1	3	ND	0	1	0
Methane	>0.5	3	ND	0	ND	0
Nitrogen, Nitrate	<1	2	0.38	2	ND	2
Sulfate	<20	2	ND	2	12.2	2
Sulfide	>1	3	NC	0	NC	0
Total Organic Carbon	>20	2	ND	0	ND	0
1,1,1-Trichloroethane	Assume Released	0	540	0	ND	0
1,1,2-Trichloroethane	Assume Released	0	0.84	0	ND	0
1,1-Dichloroethane	Present	2	25.3	2	ND	0
Carbon Tetrachloride	Assume Released	0	ND	0	ND	0
Chloroethane	Present	2	ND	0	ND	0
Chloroform	Present	2	0.42	2	ND	0
Dichloroethene, Total	Present	2	141.3	2	ND	0
Dichloromethane	Present	2	NC	0	NC	0
Tetrachloroethene	Assume Released	0	8.7	0	ND	0
Total BTEX	>100	2	ND	0	ND	0
Trichloroethene	Present	2	334	2	ND	0
Vinyl Chloride	Present	2	ND	0	ND	0

Note

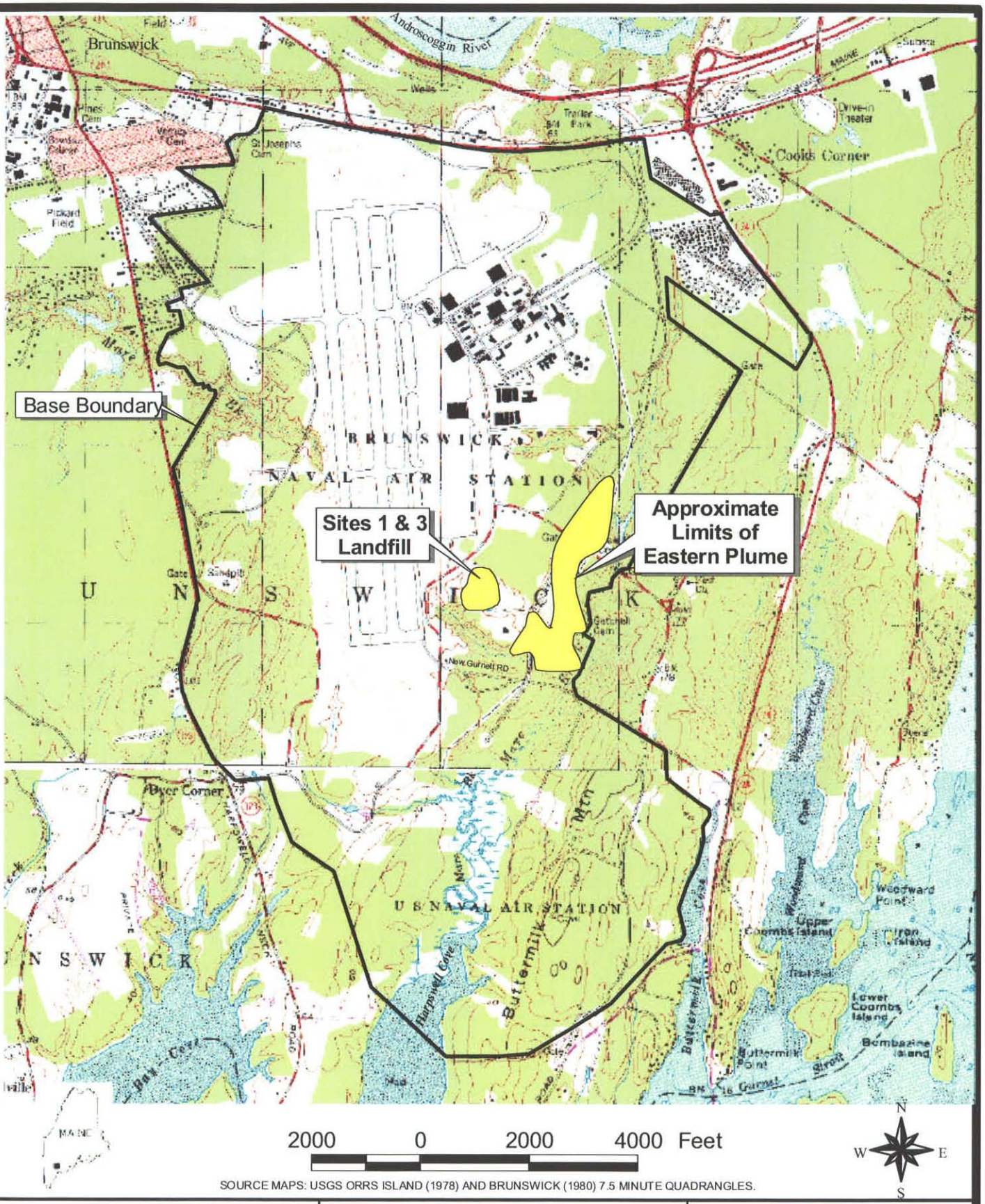
NA = Not applicable.
NC = Sample not collected.
ND = Not detected.

The reported concentrations for Dichloroethene represent the sums of the results for all isomers, 1,1-Dichloroethene, *cis*-1,2-Dichloroethene, and *trans*-1,2-Dichloroethene.

In cases where wells were sampled by multiple techniques, i.e. low-flow and passive diffusion bags, the highest sample result was used for scoring.

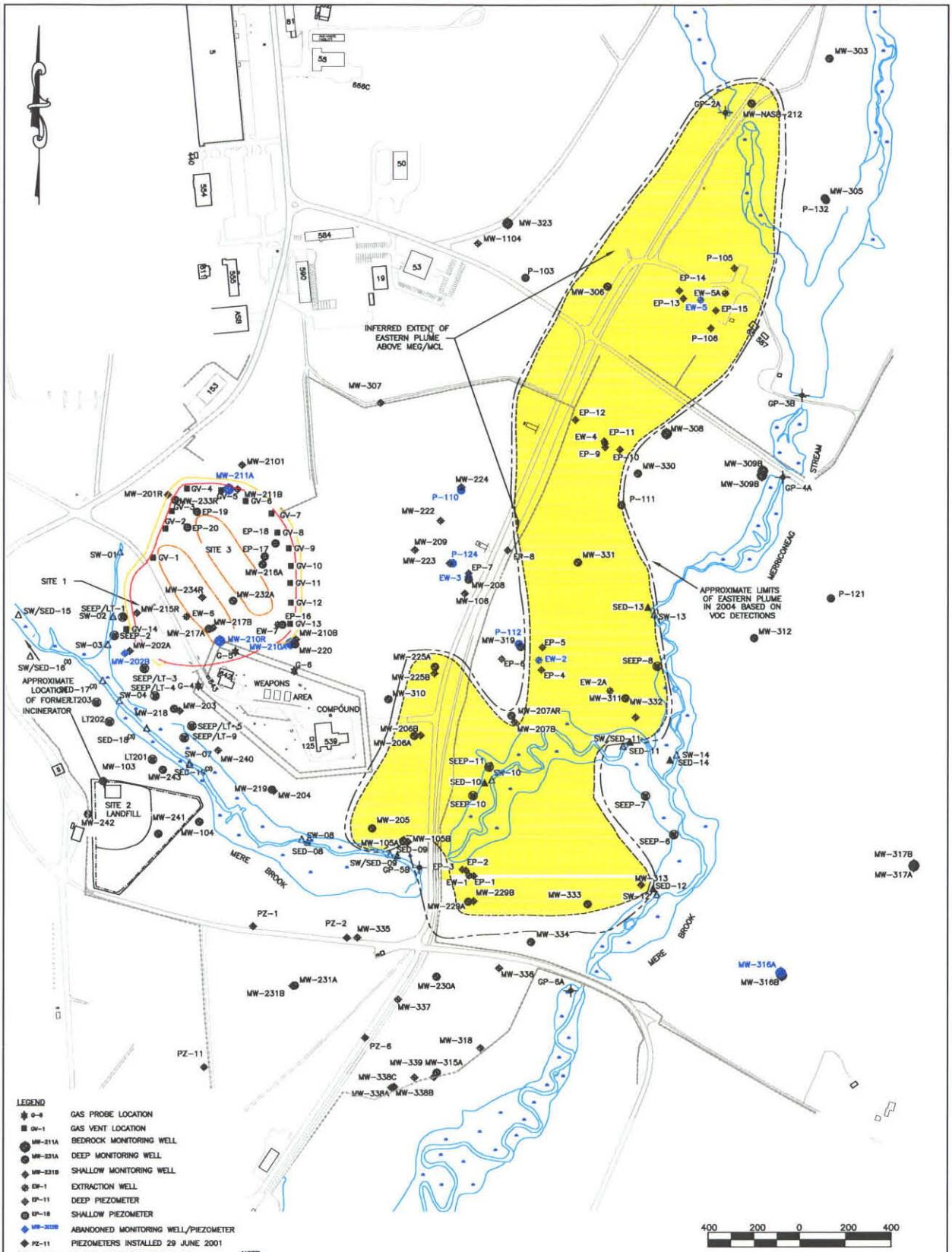
Ferrous iron analyzed by Federal Method SM 183500 (FED)
Alkalinity analyzed by EPA Method 3101
Chloride analyzed by EPA Method 3253
Nitrogen/Nitrate analyzed by EPA Method 3532C
Sulfate analyzed by EPA Method 3754
Total organic carbon analyzed by EPA Method 4151
Ethane, ethene, and methane analyzed by RSKSOP 147/1
Volatile organic compounds analyzed by EPA Method 8260B

FIGURES



SOURCE MAPS: USGS ORRS ISLAND (1978) AND BRUNSWICK (1980) 7.5 MINUTE QUADRANGLES.

EA®	SITES I AND 3 AND EASTERN PLUME NAVAL AIR STATION, BRUNSWICK, MAINE					FIGURE I SITE LOCATION MAP	
PROJECT MGR	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	DATE	PROJECT No	FILE No
ACE	DC	DC	ACE	AS SHOWN	MARCH 2004	29600.47	I:\NASB_GIS \NAVY.APR



LEGEND

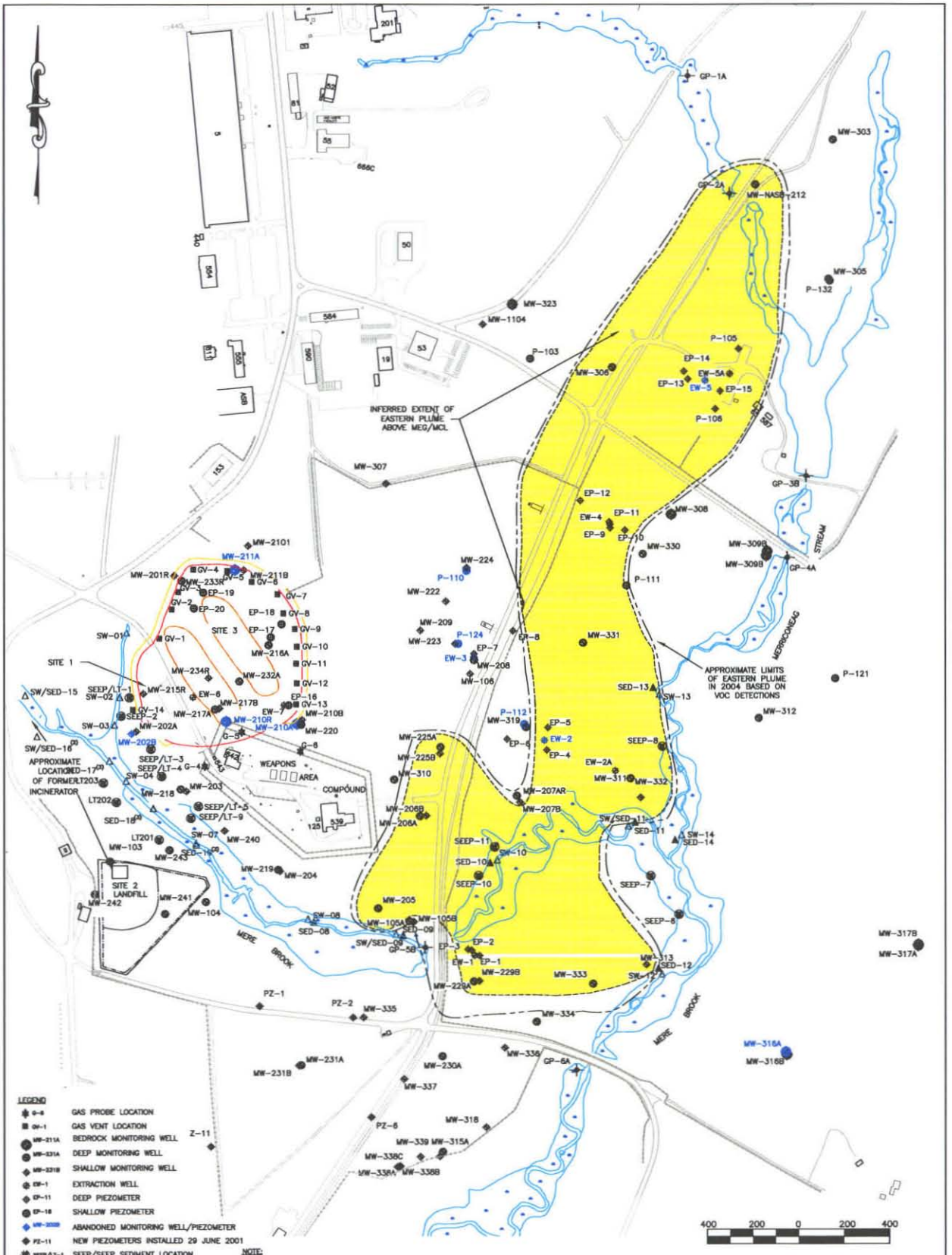
G-6	GAS PROBE LOCATION
GV-1	GAS VENT LOCATION
MW-211A	BEDROCK MONITORING WELL
MW-231A	DEEP MONITORING WELL
MW-231B	SHALLOW MONITORING WELL
EW-1	EXTRACTION WELL
EP-11	DEEP PIEZOMETER
EP-18	SHALLOW PIEZOMETER
MW-202B	ABANDONED MONITORING WELL/PIEZOMETER
PZ-11	PIEZOMETERS INSTALLED 29 JUNE 2001
SEEP/LT-1	SEEP/SEEP SEDIMENT LOCATION
SW/SED-17	SURFACE WATER/SEDIMENT LOCATION
GP-5A	SURFACE WATER GAUGING POINT
	INFERRED AREA ABOVE STATE MEG FEDERAL MCL CONCENTRATION
	FENCE
	APPROXIMATE LIMITS OF SLURRY WALL
	APPROXIMATE LIMITS OF SITES 1 AND 3
	APPROXIMATE LIMITS OF FORMER DISPOSAL TRENCHES
	APPROXIMATE BOUNDARY OF SITE 2 LANDFILL
	APPROXIMATE LIMITS OF EASTERN PLUME IN 2003
	INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL

NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. SW-16 LOCATED APPROXIMATELY 1,000 FT UPSTREAM OF SITES 1 AND 3.
3. INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL BASED ON MONITORING EVENT 24 DATA (APRIL 2004).

FIGURE 2
SITE PLAN
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY MTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –

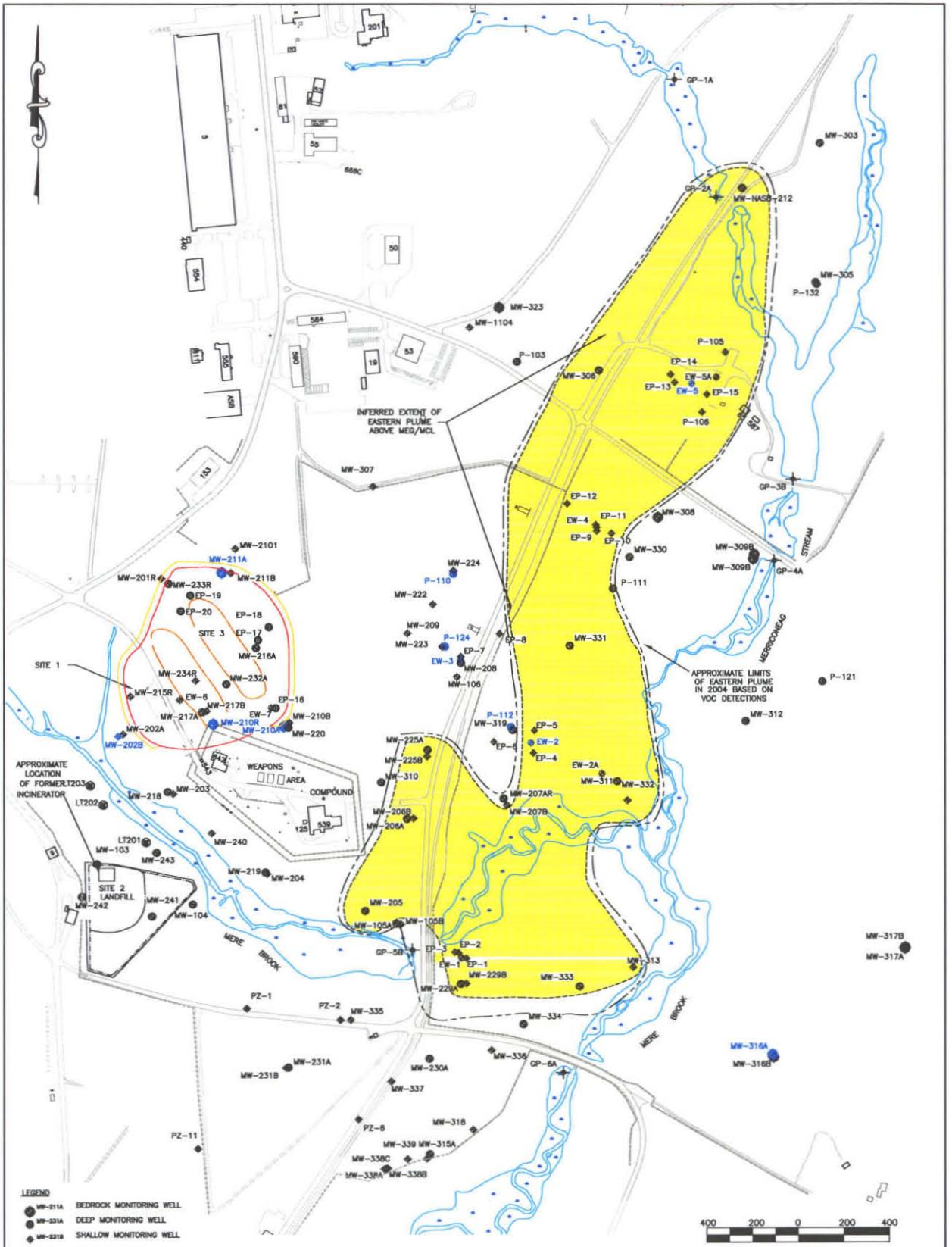


NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. SW-16 LOCATED APPROXIMATELY 1,000 FT UPSTREAM OF SITES 1 AND 3.
3. INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL BASED ON MONITORING EVENT 24 DATA (APRIL 2004).

FIGURE 3
LONG-TERM MONITORING NETWORK
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY MTW		FILE NAME SITE31-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



LEGEND

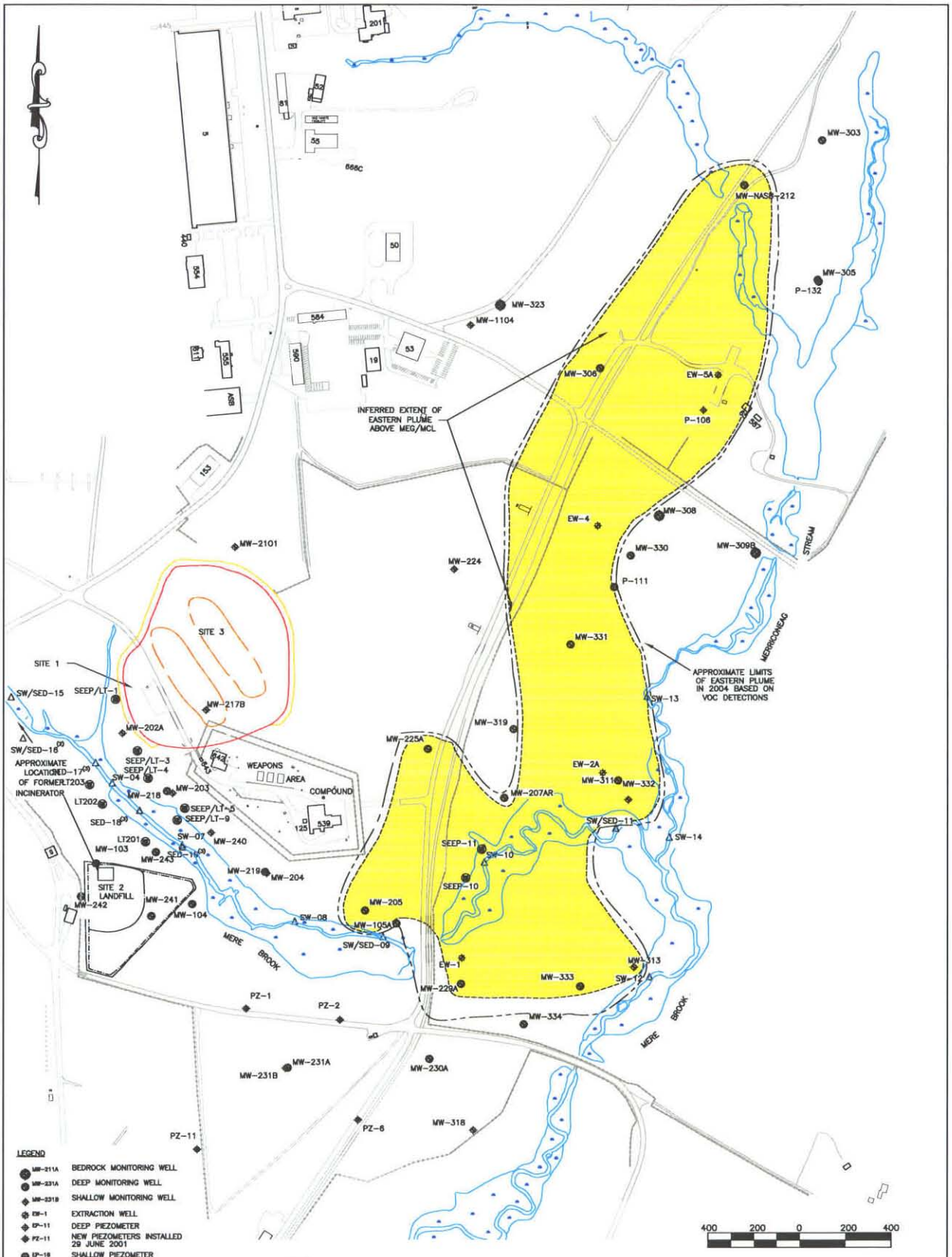
- MW-211A — BEDROCK MONITORING WELL
- MW-331A — DEEP MONITORING WELL
- MW-231B — SHALLOW MONITORING WELL
- EW-1 — EXTRACTION WELL
- EP-11 — DEEP PIEZOMETER
- EP-16 — SHALLOW PIEZOMETER
- GP-5 — SURFACE WATER GAUGING POINT
- MW-202B — ABANDONED MONITORING WELL/PIEZOMETER
- PZ-11 — NEW PIEZOMETERS INSTALLED 29 JUNE 2001
- INFERRED AREA ABOVE STATE MEG/FEDERAL MCL CONCENTRATION
- APPROXIMATE LIMITS OF EASTERN PLUME IN 2003
- INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 AND 3
- APPROXIMATE BOUNDARY OF SITE 2 LANDFILL
- APPROXIMATE LIMITS OF FORMER DISPOSAL TRENCHES

NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL BASED ON MONITORING EVENT 24 DATA (APRIL 2004).

FIGURE 4
LONG-TERM MONITORING GAUGING LOCATIONS
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



LEGEND

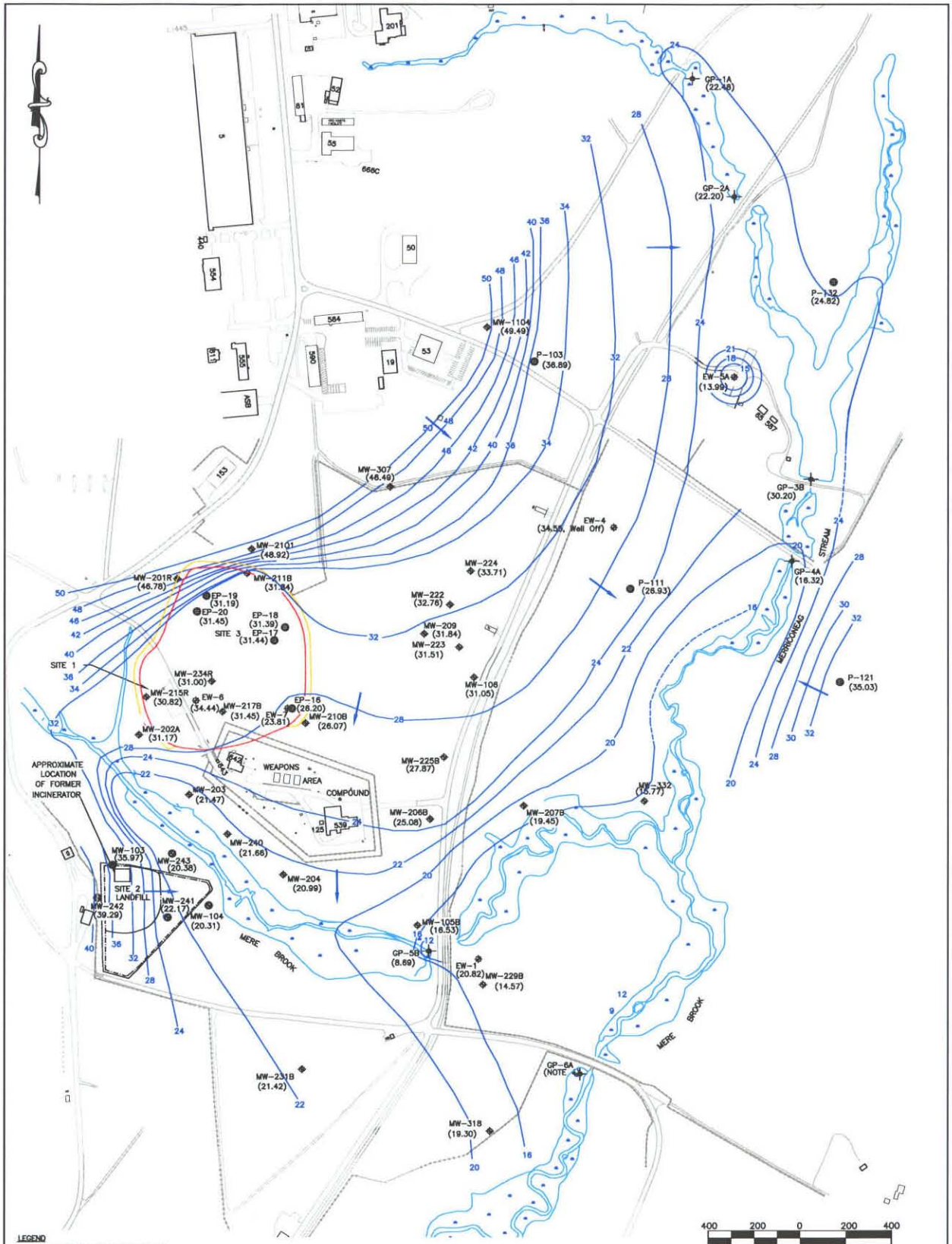
- MW-211A — BEDROCK MONITORING WELL
- MW-231A — DEEP MONITORING WELL
- MW-231B — SHALLOW MONITORING WELL
- EW-1 — EXTRACTION WELL
- EP-11 — DEEP PIEZOMETER
- PZ-11 — NEW PIEZOMETERS INSTALLED 29 JUNE 2001
- EP-18 — SHALLOW PIEZOMETER
- SEEP/LT-1 — SEEP/SEEP SEDIMENT LOCATION
- SW/SED-11 — SURFACE WATER/SEDIMENT LOCATION
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 AND 3
- APPROXIMATE BOUNDARY OF SITE 2 LANDFILL
- APPROXIMATE LIMITS OF FORMER DISPOSAL TRENCHES
- APPROXIMATE LIMITS OF EASTERN PLUME IN 2003 INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL
- INFERRED AREA ABOVE STATE MEG/FEDERAL MCL CONCENTRATION

NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. SW-18 LOCATED APPROXIMATELY 1,000 FT UPSTREAM OF SITES 1 AND 3.
3. INFERRED EXTENT OF EASTERN PLUME ABOVE MEG/MCL BASED ON MONITORING EVENT 24 DATA (APRIL 2004).

FIGURE 5
LONG-TERM MONITORING SAMPLING LOCATIONS
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



LEGEND

- MW-231B (20.24) SHALLOW MONITORING WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- EW-1 (18.43) EXTRACTION WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- EP-18 (28.30) SHALLOW PIEZOMETER (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- GP-6 (34.22) SHALLOW PIEZOMETER (SURFACE WATER ELEVATION, FT MSL)
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 & 3
- 27 GROUNDWATER CONTOUR (FT MSL) (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

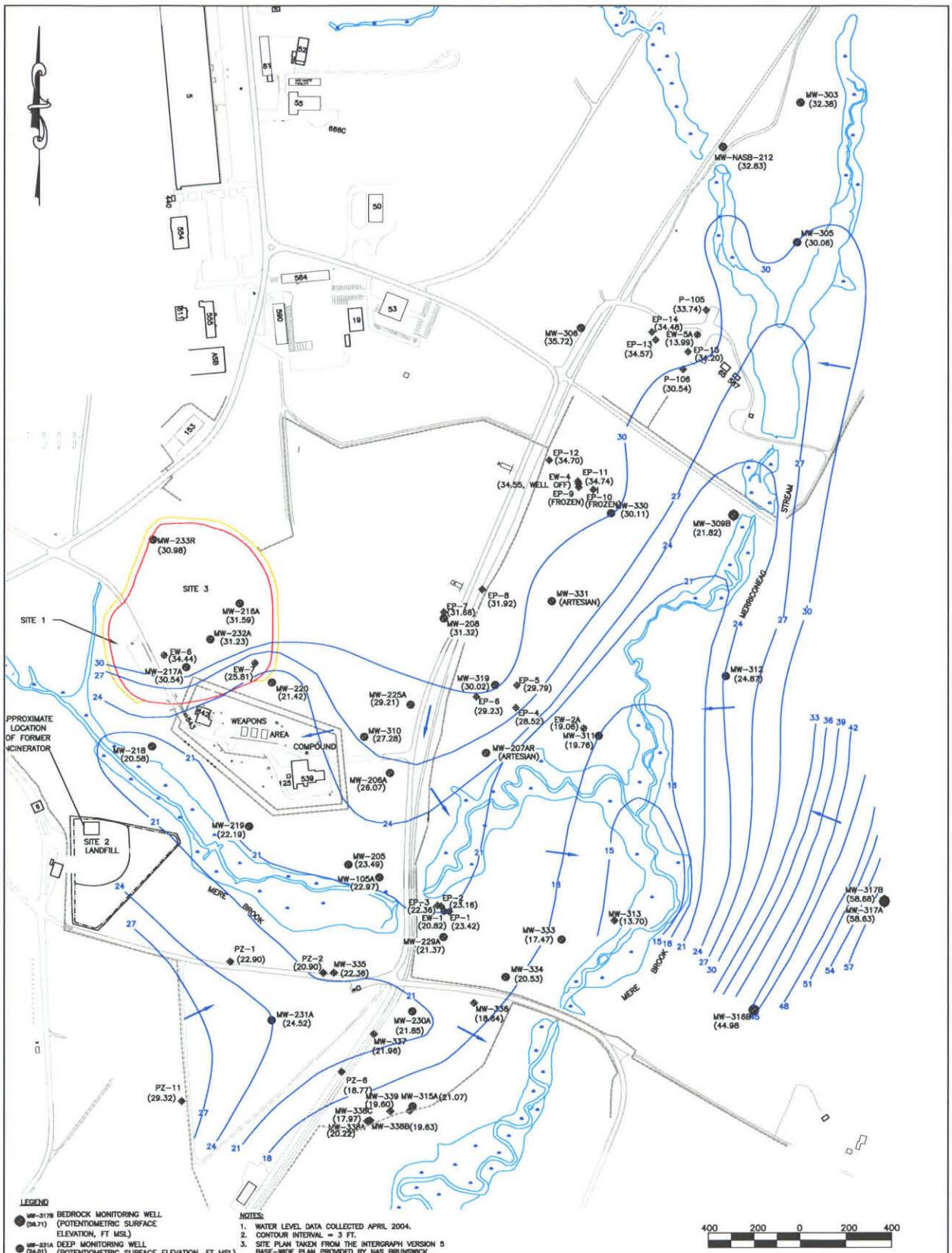
NOTE:

1. CONTOUR INTERVAL = 3 FT.
2. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
3. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
4. NO DATA. GAUGE POINT FELL OVER

FIGURE 6
INTERPRETED SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR MAP, APRIL 2004

SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DQ		DRAWING NUMBER –
PROJECT MANAGER DQ		SHEET NUMBER –



LEGEND

- MW-317B (58.71) BEDROCK MONITORING WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- MW-231A (24.01) DEEP MONITORING WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- EW-1 (18.43) EXTRACTION WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- EP-11 (30.22) DEEP PIEZOMETER (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- PZ-11 (28.72) NEW PIEZOMETERS INSTALLED 29 JUNE 2001 (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 & 3
- 27 GROUNDWATER CONTOUR (FT MSL) (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

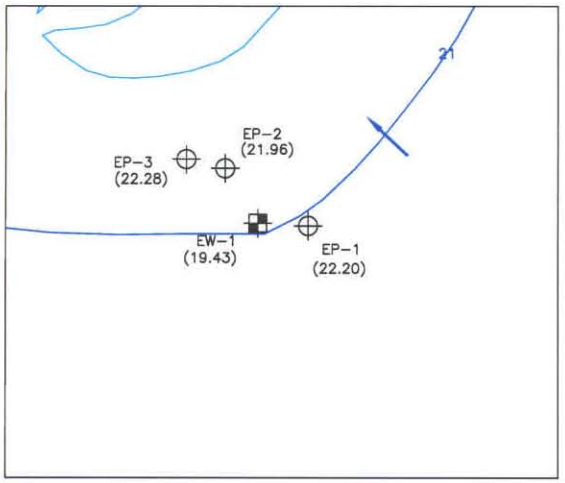
NOTES:

1. WATER LEVEL DATA COLLECTED APRIL 2004.
2. CONTOUR INTERVAL = 3 FT.
3. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
4. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.

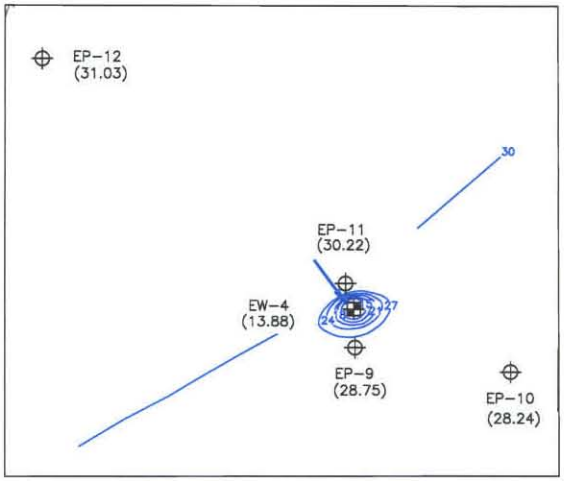
FIGURE 7

INTERPRETED DEEP GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR MAP, APRIL 2004
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

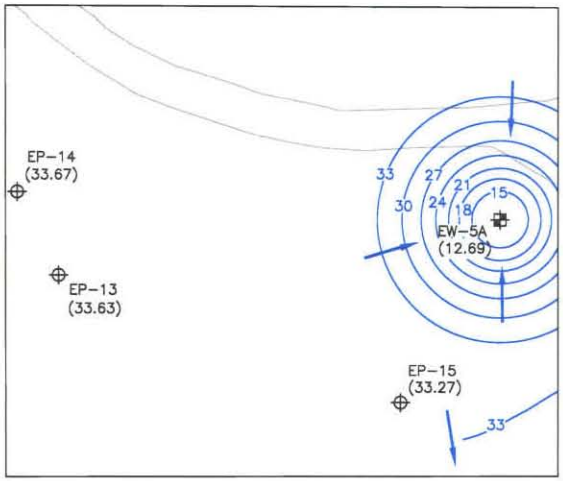
DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



DETAIL A



DETAIL B



DETAIL C

LEGEND

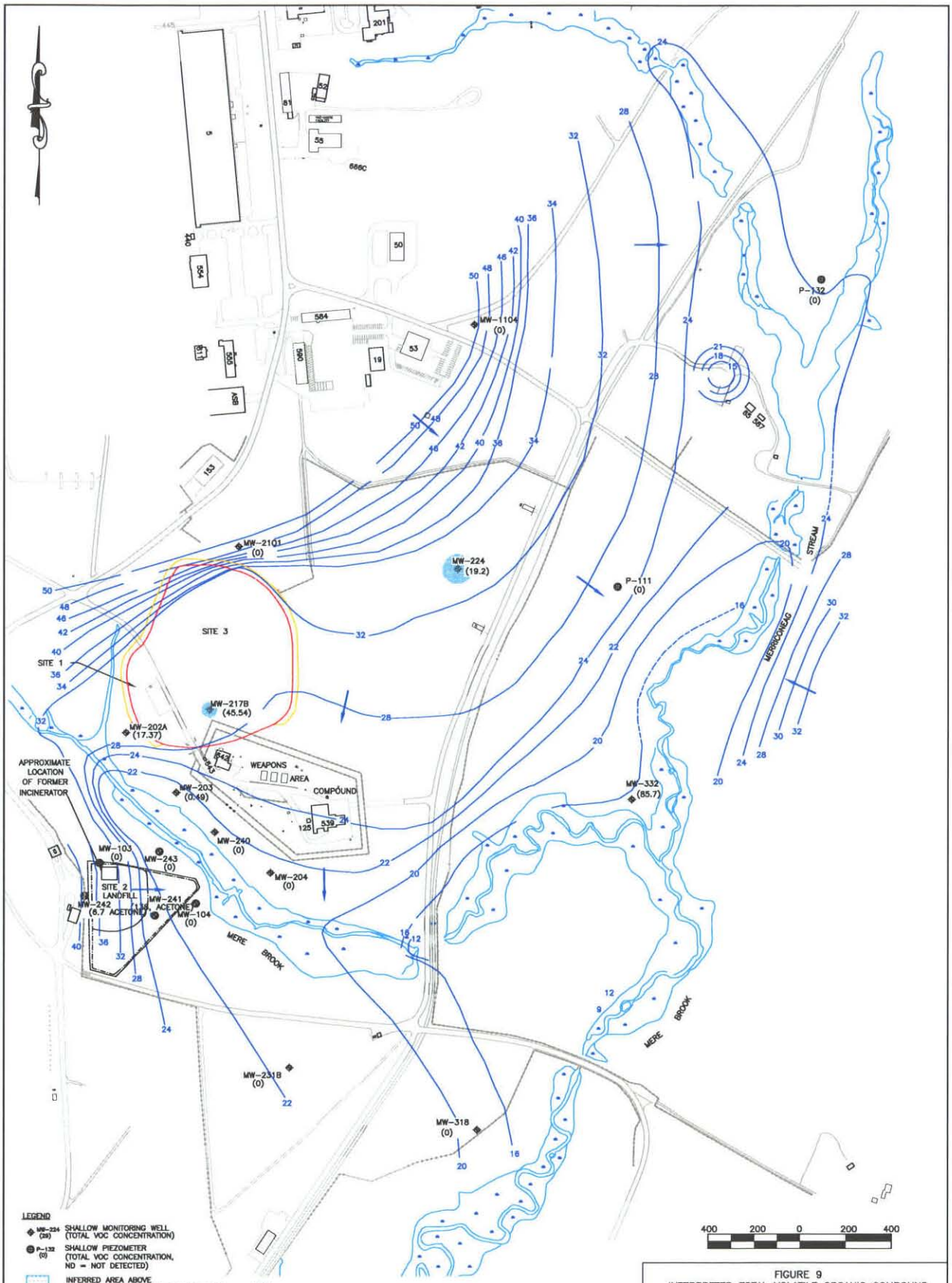
- EW-4 (13.88) — EXTRACTION WELL (POTENTIOMETRIC SURFACE ELEVATION, FT MSL)
- EP-10 (28.24) — PIEZOMETER (WATER TABLE ELEVATION, FT MSL)
- 27 — GROUNDWATER CONTOUR (FT MSL) (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
2. INFERRED CONE OF DEPRESSION SHOWN WHERE MINIMAL DATA ARE PRESENT. CONE OF DEPRESSION MAY BE SMALLER THAN INFERRED SIZE.

FIGURE 8
EXTRACTION WELL DETAIL MAP, APRIL 2004
DEEP POTENTIOMETRIC SURFACE
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY MTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER --
PROJECT MANAGER DG		SHEET NUMBER --



LEGEND

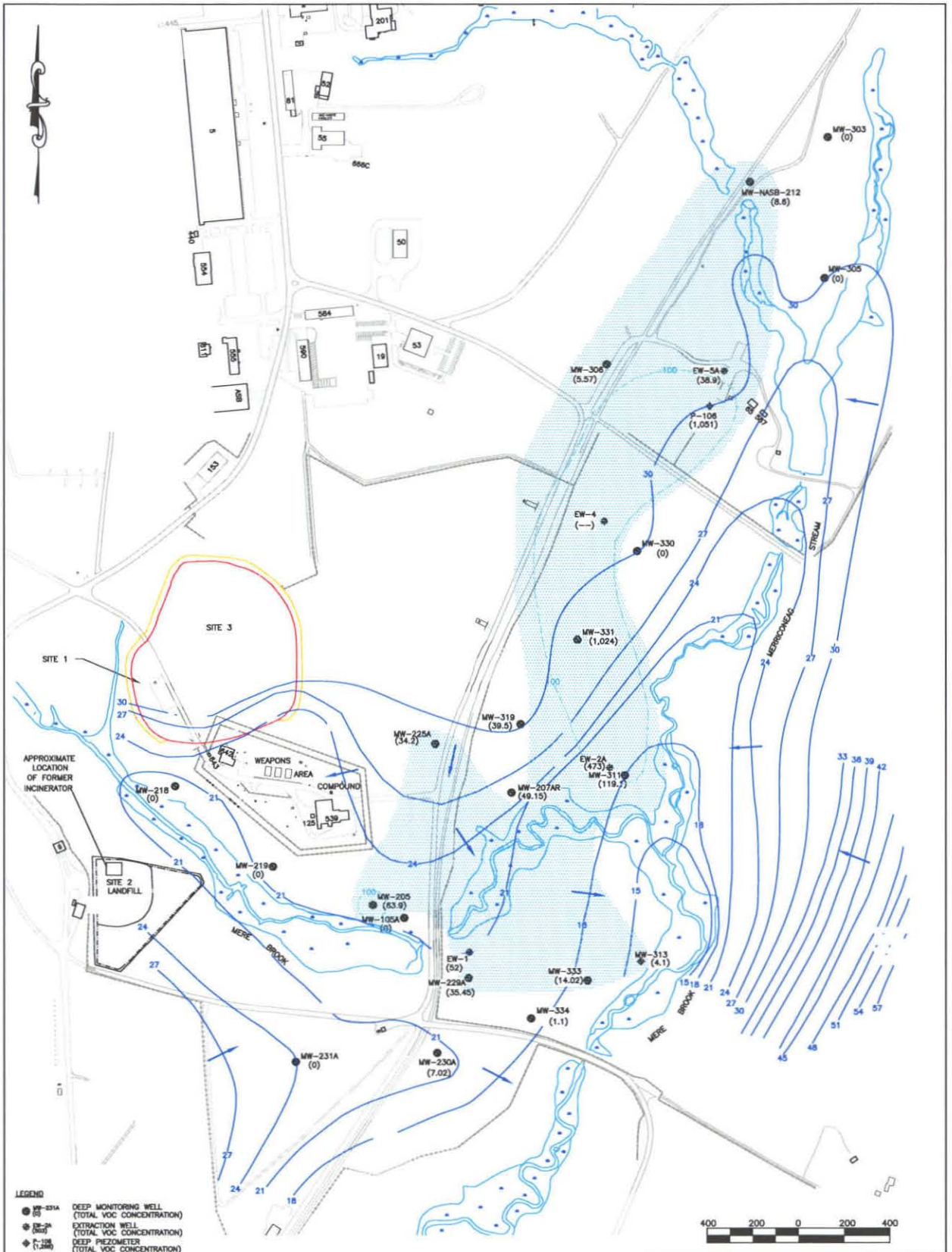
- MW-224 (19.2) SHALLOW MONITORING WELL (TOTAL VOC CONCENTRATION)
- P-132 (0) SHALLOW PIEZOMETER (TOTAL VOC CONCENTRATION, ND = NOT DETECTED)
- INFERRED AREA ABOVE STATE MEG/FEDERAL MCL CONCENTRATION
- 100 — 100 ug/L TOTAL VOC CONTOUR (DASHED WHERE INFERRED)
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 & 3
- 27 — GROUNDWATER CONTOUR (FT MSL) FOR APRIL 2004 FROM FIGURE 6 (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
3. SITE 2, TOTAL VOC CONCENTRATIONS ARE PROVIDED IN THE MONITORING EVENT 8 REPORT FOR SITE 2, APRIL 2004

FIGURE 9
INTERPRETED TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATION CONTOUR MAP
SHALLOW WELLS, MONITORING EVENT 24
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



LEGEND

- MW-231A (0) — DEEP MONITORING WELL (TOTAL VOC CONCENTRATION)
- EW-2A (473) — EXTRACTION WELL (TOTAL VOC CONCENTRATION)
- P-106 (1,2MB) — DEEP PIEZOMETER (TOTAL VOC CONCENTRATION)
- FENCE
- APPROXIMATE LIMITS OF SLURRY WALL
- APPROXIMATE LIMITS OF SITES 1 & 3
- INFERRED AREA ABOVE STATE MEG/FEDERAL MCL CONCENTRATION
- 100 — 100 ug/L TOTAL VOC CONTOUR (DASHED WHERE INFERRED)
- NS — NOT SAMPLED
- 27 — GROUNDWATER CONTOUR (FT MSL) FOR APRIL 2004 FROM FIGURE 7 (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION

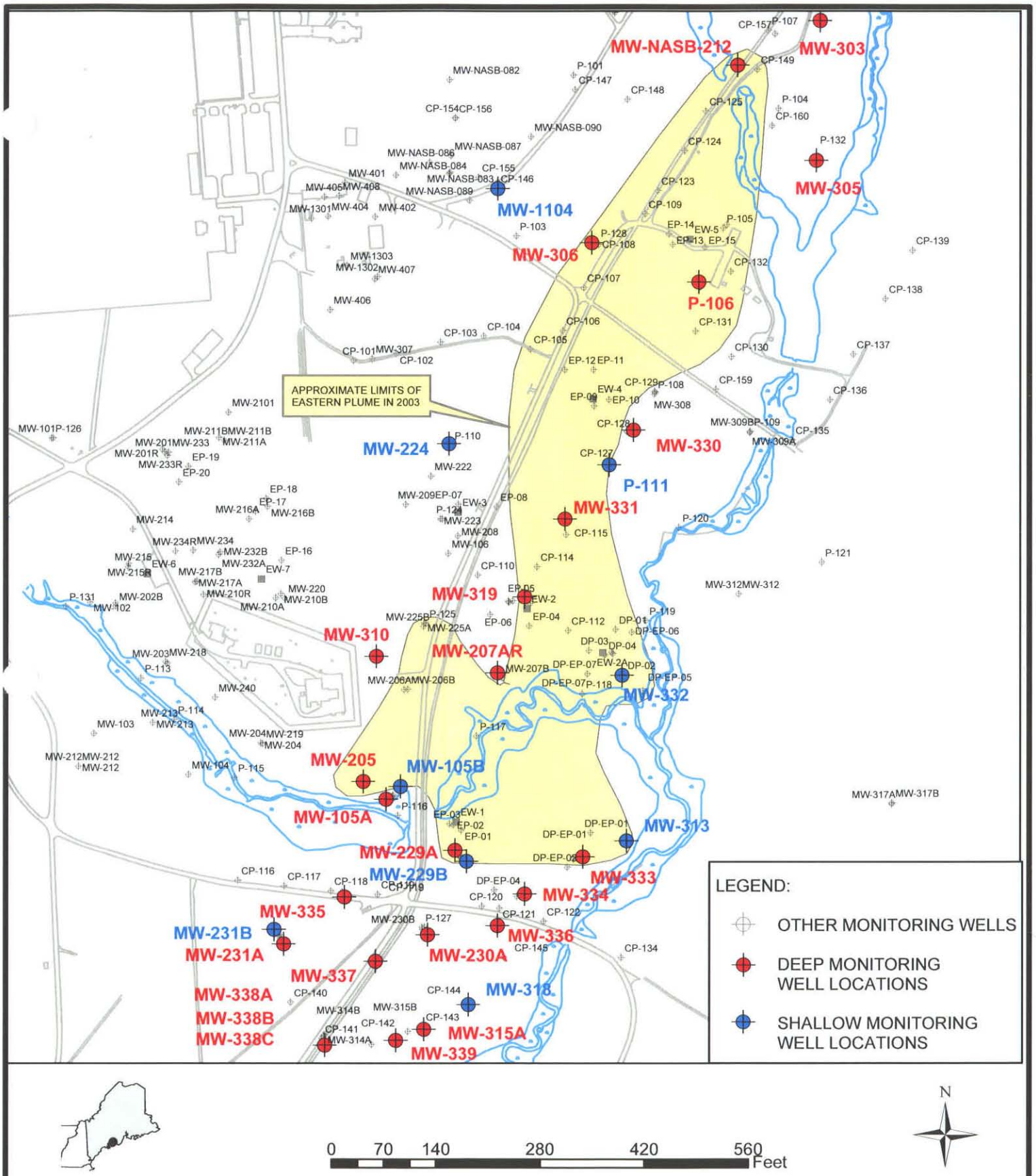
NOTE:

1. SITE PLAN TAKEN FROM THE INTERGRAPH VERSION 5 BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 OCTOBER 1995. SITE PLAN UPDATED BASED ON BASE-WIDE PLAN PROVIDED BY NAS BRUNSWICK PUBLIC WORKS DEPARTMENT ON 13 JANUARY 2004.
2. CONTOURS REPRESENT EVALUATION OF PROBABLE CONDITIONS BASED ON PRESENTLY AVAILABLE DATA. SOME VARIATION FROM THESE CONDITIONS MUST BE EXPECTED.
3. HIGHEST VALUE SHOWN AT DUPLICATE SAMPLE LOCATIONS.

FIGURE 10

INTERPRETED TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATION CONTOUR MAP
DEEP WELLS, MONITORING EVENT 24
SITES 1 AND 3 AND EASTERN PLUME
NAVAL AIR STATION, BRUNSWICK, MAINE

DATE NOVEMBER 2004	Environmental Chemical Corporation	PROJECT NUMBER 5700.007
DESIGNED BY EA Inc.		SCALE 1"=400'
UPDATED BY NTW		FILE NAME SITES1-3-EP.DWG
CHECKED BY DG		DRAWING NUMBER –
PROJECT MANAGER DG		SHEET NUMBER –



EA®	NAVAL AIR STATION BRUNSWICK, MAINE				FIGURE 11 SHALLOW AND DEEP MONITORING WELL LOCATIONS FOR NATURAL ATTENUATION STUDY (APRIL 2004)		
PROJECT MGR: ACE	DESIGNED BY: DC	CREATED BY: DC	CHECKED BY: GMC	SCALE: AS SHOWN	DATE: OCTOBER 2004	PROJECT NO: 2960047	FILE NO: I:\NASB\ NASB_FIG11_ME24.MXD

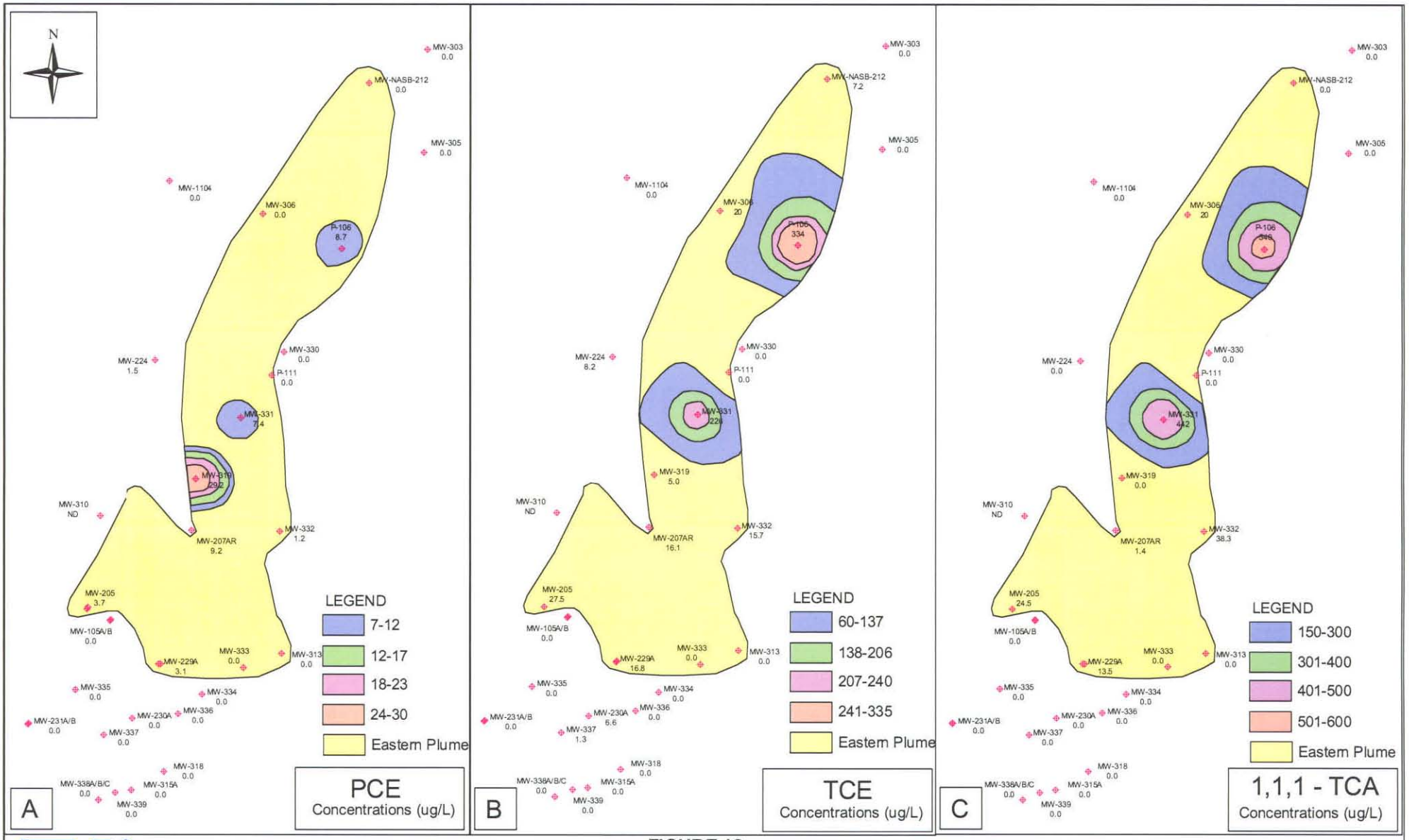


FIGURE 12
PCE, TCE AND 1,1,1-TCA CONCENTRATION ISOCONTOURS
Based on April 2004 Sampling Event

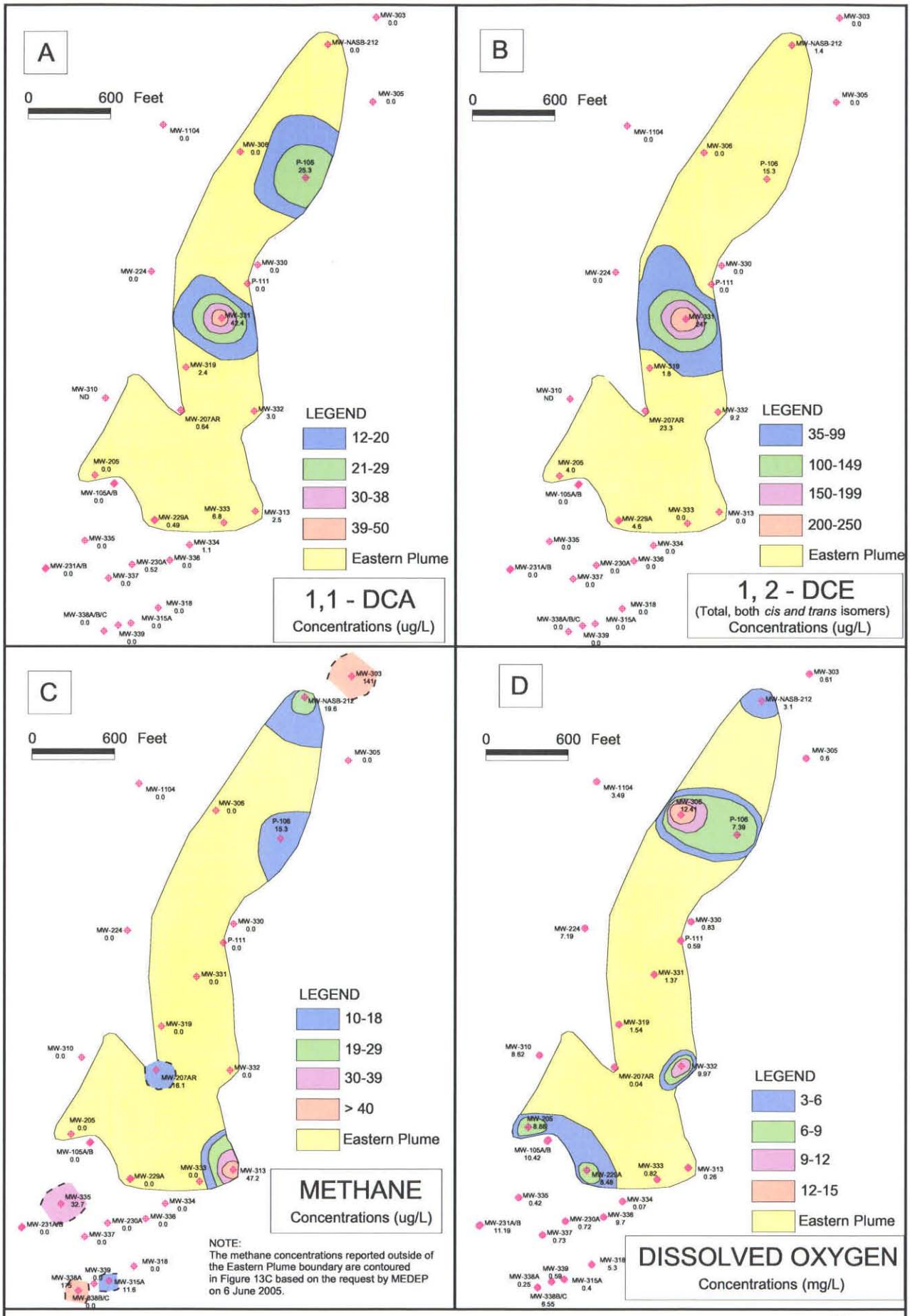
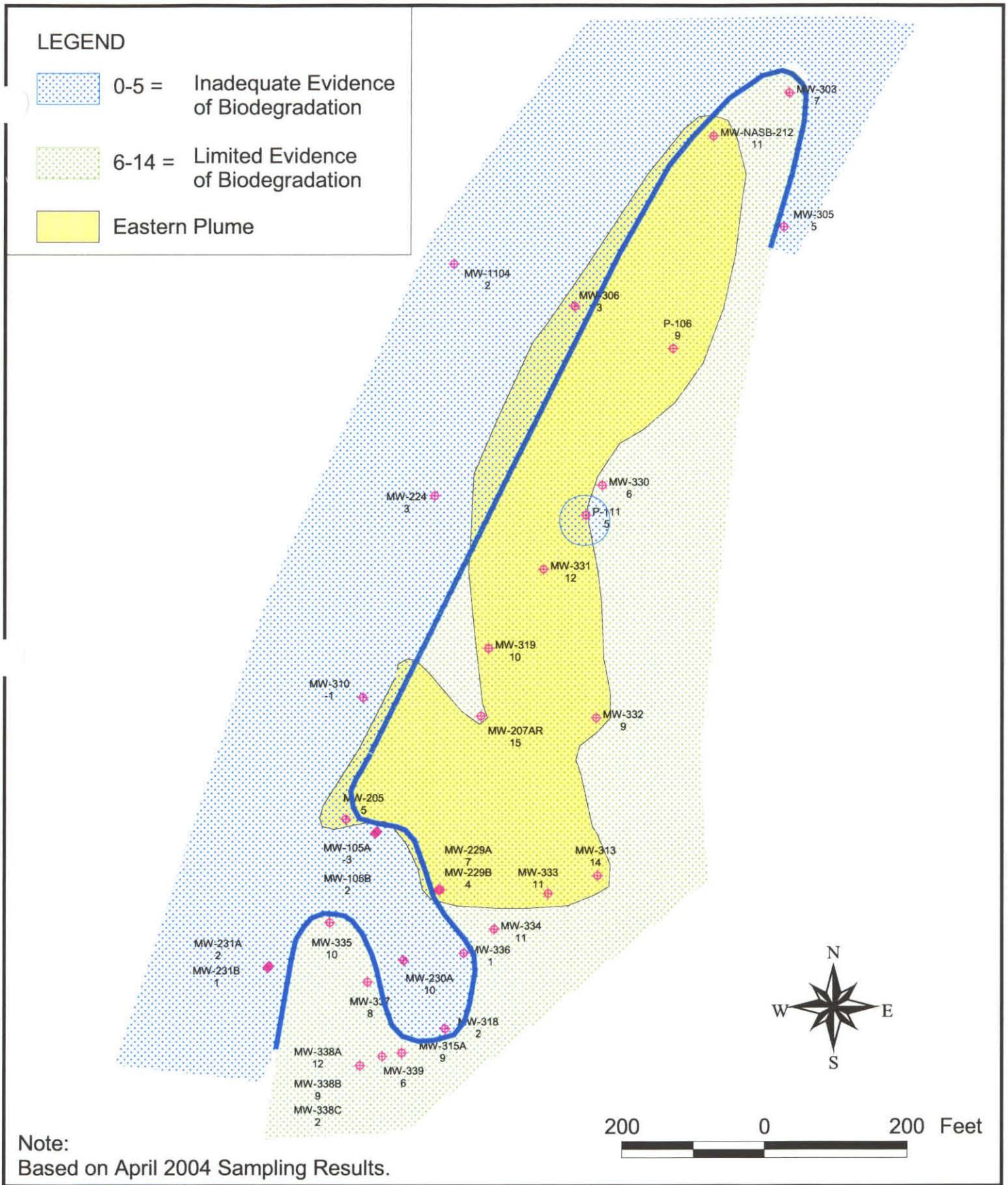


FIGURE 13
1,1-DCA, 1,2-DCE, METHANE, AND DISSOLVED OXYGEN CONCENTRATION ISOCONTOURS
Based on April 2004 Sampling Event

N



Note:
Based on April 2004 Sampling Results.

EA	EASTERN PLUME NAVAL AIR STATION BRUNSWICK, MAINE				FIGURE 14 ISOCONTOURS OF MONITORED NATURAL ATTENTUATION SCORING		
PROJECT MGR: GMC	DESIGNED BY: DC/GMC	CREATED BY: DC	CHECKED BY: GMC	SCALE: ABOVE	DATE: JULY 2005	PROJECT NO: 6177102	FILE NO: I:\NASB_CONTOURS.APR

APPENDIX A

Response to Comments from the Regulators on the Draft Report

(to be provided with the Final Report)

Responses to MEDEP Comments
Sites 1 & 3 Eastern Plume
Draft Final Monitoring Event 24 Report, April 2004
Naval Air Station, Brunswick, Maine

Reviewer: Claudia Sait
Date: March 21, 2005 (Additional Comments Received June 6, 2005)
Respondent: ECC
Date: March 23, 2005 (June 6, 2005)

Comment #	Location	Comment	Response
1	General	As MEDEP has previously expressed, MW-1104 is a poor choice as a background monitoring well for biodegradation evidence at the Eastern Plume. It is within the former plume pathway, and is very close to the former Fire Training Pit, where a large leach field was constructed several years ago for disposing of the Eastern Plume effluent discharge. The Brunswick NAS regulators and the Navy have discussed whether a more suitable background well exists, but no consensus has been reached. This issue must be resolved rather than to continue to collect questionable data. (MTG)	**Noted.** The meeting (week of April 4th, 2005) discussed possible background monitoring wells to include MW-1104, MW-224, MW-303, MW-305, and MW-310. The Monitored Natural Attenuation report will provide more information for evaluating possible replacements for a background monitoring well.
2	General	An unexplained change in the boundary configuration of the Eastern Plume occurred when concentrations of COCs at both MW-207AR and MW-319 dropped below the MEGs/MCLs. One explanation might be that clean groundwater is being drawn into this area by artesian flow or by increased flow of the springs at SEEP-11. Another explanation is that groundwater with little dissolved contamination is arriving from the clean water discharge from the infiltration gallery at Site 11, which began in early 2002. Whatever is occurring may have considerable bearing on future remediation progress. (Also see comment 12 below.) (RR/MTG)	**Noted.** Data collected from September 2004 might provide further information on the unexplained change in the boundary configuration of the Eastern Plume. As discussed in the April 2005 Technical Meeting, this observation will be explored further.
3	Section 1.4, Page 1-5, 2nd Paragraph	*"However, MW-309B, a shallow bedrock well, is currently considered to be representative of the deep flow system, and is included on deep potentiometric surface maps (Figure 7)."* Figure 7 shows the accompanying monitoring well (MW-309A) instead. The map elevation is "artesian" which pertains to MW-309A. Please correct the well label and provide the measured elevation as 21.82, given in Table 4. (ED)	**Concur.** Figure 7 will be updated to include MW-309B and its measured elevation of 21.82.
4	Section 1.5 Pages 1-5/1-6 Bottom Paragraph	Only one monitoring well (MW-217B) at Sites 1 and 3 is sampled within the slurry walls. The text says that the well was pumped dry and was slow to recharge. Samples were collected; however, the chemical representativeness of the groundwater sample can be jeopardized when a well is pumped dry. It is time to revisit the LTMP selection of the shallower well (MW-217B), rather the adjacent deeper well (MW-217A). Alternatively, a replacement well for MW-217B might be screened 5 to 10 feet deeper. (RR)	**Noted.** Should the recharge condition of the MW-217B continue to deteriorate, the Navy will consider LTMP replacement with MW-217A or well replacement, if required. Although optimal sample collection conditions did not exist, the samples are deemed valid for purposes of evaluation of COC's within the region surrounded by the slurry walls.

Comment #	Location	Comment	Response
		Regarding the continued use of MW-217B for sampling, MEDEP believes that given the recent year history of pumping this well dry during sampling that it is time to solidify plans to deepen or replace this well. It is a very key monitoring point and the risk of compromising the analytical samples should be eliminated as soon as possible. (RR)	**Noted.** MW-217B was sampled on 08 April 2005 for ME26. The well was measured with a standing water column of 2.58 feet. The well was purged at 100 ml/min for 30 minutes and the water table was depressed no more than 1.3 feet during development. A quality sample was collected. It would be prudent to continue to collect samples from the existing MW-217B for continuity of data trends. In addition, the Navy will install three nested monitoring wells in the vicinity of the gap in the slurry wall. Therefore, deeper wells are being installed adjacent to MW-217B although MW-217B will not be replaced. These wells will be installed in the Fall of 2005.
5	Section 1.7 page 1-8, 2nd and 3rd Paragraphs	a) *"After the water quality indicator parameters stabilized, one set of readings was recorded on the field forms."* *"At monitoring wells where diffusion samples were collected, water quality indicator parameters were recorded immediately following removal of the diffusion samplers."* The field forms for diffusion sample bag retrievals shows only one set of instrument readings, as the above statements would indicate. As MEDEP previously commented, one set of recorded data provides no evidence that parameters did indeed stabilize. Our recommendation to the stakeholders is that three sets of readings be made and recorded at every well, seep, and surface water station, spaced several minutes apart. This should be resolved prior to the next monitoring event. (MTG) b) The second statement further elaborates that parameter readings are taken "immediately" following removal of the diffusion samplers". Some forms in Appendix E show the difference between sample collection and parameter measurement readings is 10 minutes. Please state what length of time the Navy has for a target between activities, and why this interval is considered optimal. (RR)	**Noted.** During the April Technical Meeting, the consensus among the group was that one reading after the removal of the diffusion samplers was the best that can be achieved at this time. Currently, technology is the limiting factor in obtaining accurate in-situ multiple readings over the same time period as the PDB deployment. In addition, since the diffusion sampler is in the well for two weeks, the water quality parameters observed at the time of sampler removal is only a snapshot in time of the conditions present at the well at the time of removal. This one-time reading is taken primarily for water quality parameters and not as an indication of field stabilization, as in low-flow sampling. The 10 minute interval is the time required to remove the diffusion sampler and transfer the groundwater sample into sterile glassware for analyses. The process should be continuous and uninterrupted to preserve sample integrity. The ten minute lapse prior to well parameter readings is not considered significant to the overall quality parameters The PDB sampling SOP (EA 2003) requires only one-groundwater quality parameter reading after "…sufficient time for field parameters to stabilize". The average time lag between PDB retrieval and groundwater quality parameter determination of ca. 10 minutes should allow time for stabilization.
6	Section 1.8.1 Page 1-9 2nd and 3rd Paragraphs	The terms "shallow interval" and "deep interval" are used to separate monitoring well sampling results into two map groups (Figure 9 and Figure 10). Please provide a statement in this section that relates this separation to the groupings used to generate shallow and deep potentiometric contour maps presented in Figures 6 and 7. (ED)	**Concur.** The following will be added to the text in Section 1.8.1: "Table 1 (Site 1 & 3) and Table 2 (Eastern Plume) present the monitoring well lists of designated shallow and deep monitoring wells that are sampled and whose select results are reported on Figure 9 (shallow) and Figure 10(deep). Table 3 (Site 1&3) and Table 4 (Eastern Plume) present lists of

Comment #	Location	Comment	Response
			monitoring well lists of designated shallow and deep monitoring wells that are gauged and used to prepare the potentiometric contour maps presented in Figure 6 (shallow interval) and Figure 7 (deep interval).
7	Section 1.8.7 Page 1-10	The section heading includes Sites 1 and 3, whereas the two sentences in this section only mention the Eastern Plume. Please correct. (ED)	**Concur.** Heading will remove reference to Sites 1 and 3 and read "Sediment Samples at Eastern Plume"
8	Section 2.1 Page 2-1 2nd Paragraph	*"Extraction wells EW-01, EW-02A, EW-04, and EW-05A were operational during the majority of time since the last monitoring event (October 2003) with minor exceptions related to routine maintenance or power interruptions."* Table 5 of this monitoring event report documents that EW-04 was not operational during the entire month of April 2004. In fact, EW-04 was down for several months due to pump problems. This lost in extraction capacity was quite significant in accounting for the relatively large drop in monthly VOC removal rates (bottom graph on page 2-2). This apparent cause and effect must be addressed in this section. (ED)	**Concur.** The paragraph will be updated to state that the significant drop in monthly VOC removal rates was due to the limited operation of EW-04.
9	Page 2-2 and Section 2.1 Page 2-3	The multi-month decline in VOC removed (from approximately 1.8 kg/month to 0.4 kg/month in the bottom graph) must be specifically explained, in the manner that the decline to zero in the fall of 2001 is explained. Due to EW-04 being non-operable for several months, MEDEP cannot agree that this significant decline between Monitoring Events 23 and 24 resulted from the elimination of plume hot-spots. This section needs to be revised, and more discussion/qualifiers added. (RR & ED) The Navy's proposal is acceptable, provided sufficient detail is included. (ED)	**Concur.** The conclusion that plume hot-spots have been eliminated will be removed from the discussion with a qualifier being added that the drop in VOC removal was due to the limited operation of EW-04.
10	Section 2.2 Page 2-3 Last Paragraph	*"During the period 1 November 2003 through 30 April 2004, trigger elevation in MW-201R was reached (46.78 ft MSL) but not in the other selected gauging wells."* The trigger elevation for MW-201R, given in the table on page 2-3, is 35 ft MSL. This well is located on the upgradient side of the slurry wall and is not inside the waste disposal area. The water level in this well has very little bearing on the performance of the Site 1 & 3 ROD objective of keeping the landfills dewatered below the bottom of the buried wastes. Please explain the purpose of including this well in the early warning network for rising groundwater levels for the landfills. (ED)	**Concur.** (See comment 12, EPA for similar comment) Trigger elevations only apply to wells located within the slurry wall. There is no trigger elevation established for MW-201R, however ECC does gauge this well. The reference to a trigger elevation will be removed.

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11	Section 2.3.1 Page 2-4	a.) "The concentration of 1,4-dichlorobenzene has increased from not detected to 17.3 µg/L." Table B-1 shows the concentration is 21.6 µg/L. The concentration of 1,2-dichlorobenzene is 17.3 µg/L. Please correct the above sentence. (ED) b.) MEDEP notes that since diffusion samples began in 2001 at this well, the spring sample concentrations consistently have been roughly a half an order of magnitude greater than the fall concentrations, but only the spring of 2004 did not exceed the MEG of 27 µg/L. (NR)	a) **Concur**. Sentence will read "The concentration of 1,4-dichlorobenzene has increased from not detected to 21.6 µg/L b) **Noted**. No response required.
12	Section 2.3.3 Page 2-7	*"VOC concentrations for both mid- and deep interval aqueous diffusion samples are higher than the sample results from Monitoring Event 23 and return to historical trend levels."* The trend graph in Appendix C for MW-207AR indicates that the historical low concentrations of ME-23 may be viewed as anomalous. This well has been reported as "artesian" during recent monitoring events. However, the amount of flow over the top of the riser, if any, is not reported. Variations in discharge of groundwater from this well could cause significant variations in VOC concentrations in diffusion samples. These monitoring event reports also show that the concentrations in samples from MW-319 have followed the same recent trends of MW-207AR. MW-319 is approximately 250 feet upgradient of MW-207AR, indicating that the cause of the strong dip in concentrations of ME-23 impacted more than one location. The Navy should recognize this event and relate it to field conditions (pumping changes, flowing wells, etc.). (RR) Both the MEDEP's original comment and the Navy's response appear to be outdated by newer insights presented by MEDEP at the April 2005 technical meeting in Brunswick. The cleaning up of groundwater samples taken at MW-207AR and MW-319, addressed in the original comment, is now believed by MEDEP to be due to the arrival of a narrow plume of treatment plant effluent discharged into the infiltration gallery at the location of the former FTA, a major source of the Eastern Plume contamination. (NR) The Navy's plan to measure and track the artesian flow at MW-207AR for future monitoring events is encouraged. The means of accomplishing this task needs to be provided. (RR)	**Noted.** Trends in detected VOCs at MW-207AR and MW319 will continue to be reported and presented in trend results figures. As noted EW-4 has been off-line for several months, but no other significant field changes have been noted. For ME-26 the artesian flow-rate will be measured and tracked. To measure the rate of artesian flow at the wells (MW-207AR and MW-331 are consistently observed to be flowing) the wells will be capped with tubing to a calibrated bucket to determine approximate flow rates.

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13	Section 2.3.3 Page 2-7	*"An aqueous diffusion sample was collected from low- and mid-interval for this sampling interval."* A deep diffusion sample was not collected at MW-224, therefore, "low-" is likely referring to a low-flow sample. Please review this and the next sentence and correct appropriately. (ED)	**Concur.** Sentences will be reworded to read, "A low-flow sample and a mid-depth aqueous diffusion sample were collected for this sampling event. VOC concentrations (1,2-dichloroethene, TCE, PCE) for the low-flow sample and mid-depth interval aqueous diffusion samples increased significantly since previous sampling events. Concentrations of TCE for both low-flow and mid- depth interval aqueous diffusion samples have increased and exceed the Federal MCL and State MEG."
14	Section 2.3.3 Page 2-7	*"Concentrations of total VOCs (disregarding acetone) are the highest measured since 1997."* This is true for Monitoring Event 23, but it is not true for this monitoring event (24), according to the graphed data in Appendix C. Please revise. (ED)	**Concur.** This sentence will be removed from this section as it is no longer applicable.
15	Section 2.3.3 Page 2-8	*"The concentration of TCE exceeded the State MEG and Federal MCL and has increased since Monitoring Event 23."* If the trend of the last two monitoring events continues, it could mean that the plume is migrating southward again, and may represent a significant development in view of the recent eastward movement of plume contaminants to MW-313. The stakeholders should continue to monitor this trend. (MTG)	**Noted**. The April 2005 Technical Meeting discussed possible migration of the plume. Data collected from September 2004 will provide additional information on recent eastward movement of plume contaminants to MW-313.
16	Section 2.3.3 Page 2-8	*"Since the [sic] May 2003, total VOC concentrations have gradually increased to 119 ug/L in the deep diffusion samples."* The mid-depth and deep diffusion samples showed the same concentration in April 2004. This occurrence and nearby EW-02A pumping at a relatively very low rate of 4 gallons per minute for many months suggests that shallow water is being induced into the EW-02A drawdown cone at a much lower rate than before. It appears that local dilution of the plume may have slowed or stopped, and plume concentrations have responded by increasing. (NR)	**Noted.** No response required.
17	Section 2.3.3 Page 2-8	*"The total VOC concentrations have decreased during the last monitoring events."* The April 2004 data are not shown on the graph of Appendix C, so this trend is not visible. Please update the graph. Also, the total VOC concentration in Table B-3 is 88.1 ug/L not 84 µg/L as stated in the following sentence in the report. (ED) The Navy's proposed changes are accepted, providing that a footnote is added to each Appendix C graph where 1,4 dioxane was documented to occur. The footnote should state that "1,4 dioxane is not included in the total VOC value. See Table B-3." (ED)	**Concur**. The graph (Page 92 of 183) will be updated to include April 2004 data. Sentence will be changed to read "For the low-flow sample, total VOC increased to 88.1 µg/L because of a detection of 84 µg/L for 1,4-dioxane." **Note**: For future reports 1,4 dioxane will not be included in the total VOC numbers, in order to facilitate comparability of LTMP TCL VOC results from past ME's The footnote will be added to state that, "1,4 dioxane is not included in the total VOC value. See Table B-3."

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18	Section 2.3.3 Page 2-8	PCE increased from non-detect to close to 30 µg/L, although the total VOC concentration decreased. Please include the actual PCE concentration for Monitoring Event 24. (ED)	**Concur**. VOC concentrations for the deep interval aqueous diffusion samples are lower than the results from Monitoring Event 23 except for PCE which have increased (29.2 µg/L). The concentrations of PCE remained in exceedance of the Federal MCL and State MEG.
19	Section 2.3.3 Page 2-8	*"Total VOC concentrations have increased from approximately 400 ug/L to 1,024 µg/L in April 2004."* The low-flow graph in Appendix C (Figure 116) gives a very low concentration of 9.5 µg/L, without providing a breakdown of individual contaminants. Please explain/justify the huge difference between the diffusion sample and the low-flow sample results. If the Navy cannot provide an adequate explanation for the difference then duplicates must be run on both the diffusion samples and the low flow samples. (MTG/RR)	**Noted**. The April Technical Meeting discussed the differences between the diffusion sample and low-flow sample results. It was agreed that a duplicate would be collected for Monitoring Well MW-331. The low-flow sample was only used to collect MNA parameters, which include water quality parameters and the newly collected VOC, 1,4 Dioxane. 1,4 Dioxane was analyzed by the EPA Region I method, and this method only reports 1,4 Dioxane. The PDB sampler was used to collect the LTMP VOC (8260B) sample. As the groundwater samples collected by PDB and low-flow methodologies were analyzed by different analytical methods with different analyte list (i.e 1,4 Dioxane vs. LTMP TCL VOC) the total VOCs listed in the figures should not agree, as noted in the comment. The PDB samplers are continuing to provide representative groundwater samples.
20	Section 2.3.3 Page 2-10	This well (EW-04) needs to be included in this section even though it was not operating in April 2004. The months that EW-04 has been down should be given. Its rate of extraction is approximately 25 to 35 gpm, which is half of what the total system pumps when EW-04 is running. Therefore, this well is very important to total VOC mass removed. (ED) The Navy's proposed action is appropriate. Please add dates and pumping rates that document substantial operational changes to EW-04 during the ME-24 time interval. (ED)	**Concur**. EW-04 operational log will be included in this section. The ME24 report will include a summary of dates and pumping rates.
21	Section 2.4.4.1 Page 2-15	Both of these sediment stations experienced large increases in total VOCs, after two successive monitoring events at non-detect, in particular LT-05. Both April 2004 samples have 1-4 dichlorobenzene in common. During the web conferences in February and March, the Navy countered MEDEP's concern for very slow remediation of inorganics at Sites 1 and 3 by pointing out the near disappearance of VOCs in media downgradient of the site. The sediment sampling results for April 2004 do not support the Navy's premise that VOCs have been practically eliminated in downgradient groundwater. Also please change the spelling of dichlorobenze to dichlorobenzene. (RR/ED)	**Noted.** VOCs at the sediment stations will continue to be monitored and the trends will be evaluated. Dichlorobenze spelling will be changed to dichlorobenzene. The occurrence of acetone and 2-butanone may be attributed to a sampling/matrix artifact. Carbon disulfide may be attributed to the anoxic environment.

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22	Section 2.4.4.2 Page 2-16	*"Arsenic and lead concentrations reached a new high of 101J and 82.2J µg/kg, respectively during April 2004 sampling event."* Nickel, not arsenic, was one of two inorganics that reached new high concentrations. The April concentration for nickel was 76.1Jµg/L. Please correct this sentence. (ED)	**Concur**. Sentence will read "Nickel and lead concentrations reached a new high of 76.1 J and 82.2J µg/kg, respectively during April 2004 sampling event"
23	Section 2.4.4.2 Page 2-16	*"Arsenic reached concentrations of 970 J mg/kg during April 2004 sampling event."* This statement implies either that more than one sample was taken in the April 2004 concentration, or that 970 J is the highest on record for LT-05. As neither is true, please rewrite as follows: *"A high arsenic concentration of 970J mg/kg was measured in April 2004, but that is well below the record high of approximately 5000 mg/kg in the spring of 2003*." (ED)	**Concur.** Sentence will be rewritten to read "A high arsenic concentration of 970J mg/kg was measured in April 2004, but that is well below the record high of approximately ,5000 mg/kg in the spring of 2003."
24	Section 2.5 Page 2-17 1st Paragraph	"*Because DCE and vinyl chloride are readily metabolized by direct oxidation, these contaminants are typically degraded at downgradient plume locations, where the concentrations of dissolved oxygen is elevated relative to proximal plume locations. At the Eastern Plume, DCE has been detected although vinyl chloride has not been detected*." The distribution of dissolved oxygen in groundwater at the Eastern Plume indicates to MEDEP that very low concentrations occur at most downgradient sentinel wells. At most locations where DCE is found, oxygen is <u>not</u> elevated. Therefore, direct evidence is not available to indicate that metabolism is occurring by direct oxidation. It is possible that oxidation may be occurring in the wetland areas where monitoring wells do not exist. The first sentence needs to be reformulated. MEDEP suggests changing the second sentence as follows: *"At many locations in the Eastern Plume, DCE is routinely detected at a number of monitoring wells, but vinyl chloride has not been detected at any monitoring well*." (ED)	**Concur.** The second sentence will be worded as "At many locations in the Eastern Plume, DCE is routinely detected at a number of monitoring wells, but vinyl chloride has not been detected at any monitoring well."
25	Section 2.5.1 Page 2-18 2nd to Last Paragraph	*"To determine the efficacy of natural attenuation, a groundwater sample from a currently unimpacted well (MW-1104) within the saturated zone of the former western portion of the Eastern Plume was selected as a background comparison to those locations within the Eastern Plume. Background levels of dissolved oxygen at location MW-1104 were 3.49 mg/L, while Eh was 82 mV."* MEDEP has several concerns with the above statements. The specific assessment that this section addresses is in situ biodegradation. This term should be used in place of the all-encompassing term "natural	**Concur.** Natural attenuation will be changed to biodegradation. **About the current background MW-1104, please see** Response to Comment #1

Comment #	Location	Comment	Response
		attenuation", as natural attenuation occurs everywhere regardless of parameter values (dispersion, dilution from recharge, etc.). As discussed at the December 2004 Technical Meeting, MEDEP does not feel comfortable with using monitoring well MW-1104 as a background well. MW-1104 is close to and downgradient of the major remediated source area for the Eastern Plume (Site 11 fire training pit). Even though VOCs have not been detected at this well in recent years, fine-grained soil lenses (which do not supply water during sampling) might yet be impacted and influence the subsurface environment. Therefore, the sampled groundwater may not be impacted in 2004 but measurements to discern a reducing environment may be impacted by the historic contamination at this location. Both measured dissolved oxygen and Eh values in April 2004 are abnormally lower than expected for a background well, particularly considering that a number of wells with the current contaminated area of the Eastern Plume have substantially higher values. A more appropriate background well has not yet been recommended by the regulatory agencies. See General Comment 1. (RR)	
26	Section 2.5.1 Page 2-19	*"The eight locations are predominately found in the Eastern Plume."* The purpose of this statement is unclear regarding the use of "predominately". All the named wells are associated with the Eastern Plume, however, half of the wells (MW-224, MW-319, MW-335, and MW-338A) are outside the mapped boundary of the plume because VOCs do not exceed MCLs/MEGs. Therefore, only half of the eight wells are within the mapped Eastern Plume boundary. Please rephrase this statement, or delete it. (ED)	**Concur.** This sentence will be deleted.
27	Section 2.5.1 Page 2-20 1st and 2nd Sentences	*a.) "Nitrate was reported at concentrations below the method detection limit (<110 mg/L) at 21 of 34 monitoring wells sampled, which is also reduced in comparison to the nitrate levels reported in MW-1104 (320 µg/L), the representative background location."* Units of concentration are not compatible between Table B-5 and this sentence. In the table, the concentration for nitrate for MW-1104 is 0.32 µg/L, whereas the text reports 320 µg/L. MEDEP recommends that the inorganic concentrations all be reported as mg/L. Thus, for MW-1104 the correct concentration would be 0.32 mg/L. (ED) *b.) "The lack of nitrate in groundwater at the site is an indication of the potential for chlorinated VOC biodegradation, because when present at higher concentrations, nitrate may compete as an electron acceptor during reductive dechlorination."*	a) **Concur.** Inorganic concentrations will be reported in mg/L and MW-1104 concentration will be corrected to read 0.32 mg/L. b) The lack of nitrate can be interpreted as being depleted in downgradient localities of the plume in comparison to non-impacted upgradient groundwater. The nitrate may be naturally low, but is even lower in 21 of the 34 MWs analyzed for nitrate.

Comment #	Location	Comment	Response
		The Navy's premise is not clear as to whether the lack of nitrate is evidence that reductive dechlorination is actually occurring. If this is the intent, explain why nitrate is not just naturally very low in groundwater across the Eastern Plume, or alternatively, that the treatment plant waste water discharge from the gallery just upgradient of MW-1104 is adding nitrate or causing an in situ release of nitrate from the shallow soil. Nonetheless, the difference between 0.32 mg/L and non-detect value (< 0.11 mg/L) seems insignificant in terms of electron acceptor potential. (RR & ED) The response to 27.b. is not convincing. MEDEP stands by it original comment that MW-1104 water samples should not be called non-impacted upgradient groundwater. (RR)	**Concur:** The reference to non-impacted upgradient water will be removed.
28	Section 2.5.1 Page 2-20	*"The greatest arsenic levels were detected in samples collected from MW-338A, MW-303, and MW-NASB-212, which are associated with regions of elevated methane."* These wells are located just downgradient of the leading edge of the Eastern Plume of the south and north lobes. At these locations, dissolved oxygen in groundwater is near zero or low. This inverse relationship between methane and dissolved oxygen concentrations is expected. It is well known that arsenic can become liberated to the soluble and mobile As (III) by contact with groundwater nearly depleted of oxygen. The presence of methane may not signify that it is the catalyst for leveled arsenic in well samples. Also, not all the elevated methane concentrations shown in Figure 13C have been included in the isocontouring. Most notable are three wells (MW-303, MW-335, and MW-338A) located hundreds of feet beyond the leading edge of the mapped plume. The above text statement must be revised to include recognition of very low dissolved oxygen that is associated with high methane concentrations. (RR/ED) The Navy's response is acceptable, however one comment was made that was not addressed. A response for the following is needed: "Also, not all the elevated methane concentrations shown in Figure 13C have been included in the isocontouring. Most notable are three wells (MW-303, MW-335, and MW-338A) located hundreds of feet beyond the leading edge of the mapped plume." (RR)	**Concur.** This text section is a presentation of the arsenic results. The text will be revised: "… elevated methane and low dissolved oxygen". **Concur**. These wells although outside the Eastern Plume will be contoured for Methane.

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29	Section 2.5.1 Page 2-21	*a.) "Methane was detected above the method detection limit at 7 of the wells (…) indicating that methanogenesis conditions are* [sic] *have been achieved in selected regions. … Most likely the methane is from methanogenesis of natural organic carbon associated with Mere Brook and Merriconeag Stream."* This assessment seems logical considering where the seven wells are located. Consequently, the methane occurrence map presented in Figure 13C should be replaced with an isocontour map of dissolved oxygen which would be more appropriate in recognizing natural attenuation. (Also see comment 28.) (ED) *b.)* The last sentence in this paragraph should be strengthened as follows: "The nutritional value and/or distribution of natural organic carbon, and the microbial community may not be adequate for complete reductive dechlorination prior to discharge of contaminated groundwater to the surface, as evidenced by the continued discharge of low levels of VOCs at SEEP 11."	a) **Concur.** Figure 13C will be updated to include an isocontour map of dissolved oxygen which is recognized as a critical indicator of conditions conducive to biodegradation. b) **Concur**. The last sentence will be updated to read as follows: "The nutritional value and/or distribution of natural organic carbon, and the microbial community may not be adequate for complete reductive dechlorination prior to discharge of contaminated groundwater to the surface, as evidenced by the continued discharge of low levels of VOCs at SEEP 11."
30	Section 2.5.2 Page 2-22 1st and 2nd Paragraphs	*"A weighted score was established for individual groundwater sampling locations for the April 2004 sampling data at the Eastern Plume. The results of the screening evaluation are listed in Table 17."* *"Weighted scores for groundwater locations assessed were isocontoured to evaluate spatial trends and possible correlations with other findings that favorably indicated the potential for chlorinated VOC reductive dechlorination. Isocontoured natural attenuation scores, reflecting the adequacy of evidence for chlorinated VOC degradation, are illustrated on Figure 14."* Comparison of the weighted scores per well presented in Table 17 with weighted scores displayed and contoured in Figure 14 are contradictory with differences ranging between –2 and +3. (Seven wells show no differences.) The reason for these differences is not explained in the text. Please justify the adjustment process that was applied to the Table 17 data to generate the Figure 14 weighted scores. Until this information is obtained, MEDEP cannot accept the potential biodegradation partitioning displayed in Figure 14. *(RR)* MEDEP needs to see the results of the updating of Table 17 and Figure 14, to verify that appropriate changes have been made. (ED)	**Noted.** Table 17 and Figure 14 will be updated (see EPA Comment 3 regarding inconsistencies between the Table and Figure). Updated Table 17 and Figure 14 are attached at the end of this response to comment.

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31	Section 2.5.2 Page 2-22, 2nd Paragraph, Last Sentence	*"The areas of higher concentrations of TCE, 1,1,1-TCA, and 1,1-DCA in the northern and southern regions of the Eastern Plume may be connected, although no groundwater data confirm a connection."* The current conceptual model implies that groundwater moves from the northern region to the southern region of the plume, but may not state this premise outright. Without this data this sentence must be deleted or rewritten as follows: "The areas of higher concentrations of TCE, 1,1,1-TCA, and 1,1-DCA in the northern and southern regions of the Eastern Plume have been assumed to be connected. ~~to may be connected, although no groundwater data confirm a connection~~." If the Navy has any doubt that a connection does not exist, this issue needs to be addressed as a data gap. It is very late in the conceptualization of the Eastern Plume to question whether thru-flow of the plume occurs from north to south. (ED/RR)	**Concur.** This sentence will be deleted, because this section is intended to discuss MNA assessment and not plume delineation issues.
32	Section 2.5.3 Page 2-23, 2nd Paragraph	After the first sentence, the following statement needs to be inserted to distinguish two different areas of the plume: *"Only primary stage daughter products consisting of 1,1-DCA and 1,1-DCE were detected along the southern leading edge of the plume, while cis-1,2-DCE was also present at MW-207AR, located 800 feet north and across Mere Brook."*	**Concur.** The following statement will be inserted to distinguish two different areas of the plume: "Only primary stage daughter products consisting of 1,1-DCA and 1,1-DCE were detected along the southern leading edge of the plume, while cis-1,2-DCE was also present at MW-207AR, located 800 feet north and across Mere Brook."
33	Section 2.5.3 Page 2-23, 3rd Paragraph	*"Vinyl chloride and 1,2-DCE oxidation is possible under aerobic or Fe (III) reducing conditions."* Please add to the report the locations within or bordering the Eastern Plume where true aerobic or Fe reducing conditions exist, according to the Monitoring Event 24 data. (ED) The Navy's response is interpreted as indicating that the sentence in question presents an alternative hypothesis that most likely is not satisfied by conditions at the Eastern Plume. The value of including this sentence in the report is questionable. Please either delete the sentence or add that it is a generally accepted alternative explanation that currently lacks supporting evidence at the Eastern Plume. (ED)	The absence of vinyl chloride and limited 1,2 DCE migration due to oxidation under aerobic or Fe(III) reducing conditions is presented as an alternative hypothesis to the fact that biodegradation appears to be halted at 1,1 DCA and 1,2 DCE (respectively for chloroethane and chloroethenes). Fe(II) levels and DO levels per the Weidemeier MNA scoring table do not indicate the likelihood of conditions conducive to oxidation **Noted.** An explanation that this alternative currently lacks supporting evidence at the Eastern Plume will be added to this alternative hypothesis.
34	Section 2.5.3 Page 2-23 Last Paragraph	At the end of the first sentence please substitute "… in three relatively areas of the Eastern Plume, shown in the red dot pattern in Figure 14" in of "… in certain areas of the Eastern Plume". (ED)	**Concur.** However due to the recalculation of Table 17 there is no longer "adequate" areas of natural attenuation and therefore no "red dot pattern" areas in Figure 14. The sentence now reads, "…provide limited evidence that conditions are favorable for reductive dechlorination of chlorinated VOCs in areas of the Eastern Plume, shown in Figure 14."

Comment #	Location	Comment	Response
35	Section 3.1 Page 3-1 1st Bullet	*a.) "Concentration trends from monitoring wells located within the body of the Eastern Plume appear to be relatively stable, suggesting limited migration of the VOC plume during the period in which long-term monitoring has been conducted"* The long-term concentrations trends show many exceptions to trend stability over the entire period of long-term monitoring. The above statement needs to be reassessed by the Navy since it is contrary to their data base for the last 10 years of monitoring. MEDEP likes ECC's approach of comparing individual wells with their recent trends and long term trends and would like to see this carried through in the conclusions. (ED) *b.) "These increases suggest an area of increased VOC contamination is moving south."* MEDEP continues to believe that the increasing concentrations at MW-331 do not necessarily mean that a body of VOC contaminated groundwater is moving south. Other likely explanations have been provided to the Navy during the past year. (NR)	**Concur**. This will be rephrased,"….the inferred plume area above the MCLs (Figures 12 and 13) has remained relatively stable compared to the ME-23 inferred plume area". b) **Noted.**
36	Section 3.1 Page 3-1 2nd Bullet	*"While this data is not definitive, they indicate that the portions of the deep zone of the Eastern Plume associated with natural organic carbon has conditions which are favorable for complete reductive dechlorination and other regions may be favorable for anoxic oxidation of partially reduced chlorinated VOCs."* MEDEP's assessment of the capacity for reductive dechlorination does not support the optimism implied in the above statement. Figure 14 shows that "adequate evidence of biodegradation" occurs at only three monitoring wells, and that three wells are separated by hundreds of feet of "limited evidence of biodegradation" or "inadequate evidence of biodegradation". Much more data and expansion of the study is needed before MEDEP can make a determination of whether MNA is a viable option. To date, the data does not support that natural attenuation is occurring throughout or in critical areas of the plume. (RR) The Navy's response indicates that more information will be provided in a later report. While this is anticipated with interest, it does not solve the concerns named within MEDEP's comment. The report statement in question would be acceptable with respect to MEDEP's response to Comment 33 (above) if edited as follows: "While *these* data *are* not definitive, they indicate that a *few localities within* the deep zone of the Eastern Plume associated with natural organic carbon *appear to have* conditions which are favorable for complete reductive dechlorination." (ED)	**Noted.** Publication of the Monitored Natural Attenuation Report by EA Engineering will go into more depth on whether natural attenuation is a viable option. Concur. The sentence will be reworded to read, "While *these* data *are* not definitive, they indicate that a *few localities within* the deep zone of the Eastern Plume associated with natural organic carbon *appear to have* conditions which are favorable for complete reductive dechlorination"

Comment #	Location	Comment	Response
37	Section 3.1 Page 3-1 2nd Bullet	*"Additionally analyze samples from MW-331, P-106, and M-225A,*[sic] *as these correspond to regions of high VOCs."* MW-225A concentration is over an order of magnitude lower that the other two named wells, and its total VOC is not as high as at a number of other wells. Perhaps the Navy meant MW-311. Also, please replace the "regions" with "localities". (RR/ED)	**Concur.** MW-225A will be replaced with MW-311 and word "regions" will be replaced with "localities"
38	Section 3.1 Page 3-2 2nd Paragraph	*"This second round of data suggests that monitored natural attenuation may be a viable remedial option for the Eastern Plume, and this process may be partly responsible for the relative slow movement of the Eastern Plume toward the south."* The assessment presented in Section 2.5.3 appears to be a more realistic summary of viability than the above sentence. The tone of the natural attenuation assessment should be consistent throughout this report. Please reconcile these differences, particularly with respect to the natural attenuation scoring isocontours presented in Figure 14. (Also see comment 36 above.) In addition, while dilution and dispersion would be at work within the plume it is highly unlikely that biodegradation is significantly retarding the movement of the plume. This statement also disregards the limited containment and removal of contaminants by the extraction system. (ED) The Navy's stated intentions are appropriate. As stated in Comment 30, the revised Figure 14 must be forwarded for our review prior to accepting the ME-24 report.	**Noted.** Inconsistencies in describing the natural attenuation assessment and conclusions throughout the report will be fixed. Figure 14 will be revised based upon the updated scoring table results. The contribution of the GWETS will be noted. Figure 14 is attached to the response to comments.
39	Section 3.1 Page 3-2 2nd Bullet Last Sentence	*"…although the data from Monitoring Event 23 did not show continued surface water impacts."* Please add "and Monitoring Event 24" after "Monitoring Event 23".	**Concur.** The sentence will read "…and Monitoring Event 24" after "Monitoring Event 23"
40	Section 3.1 Page 3-2 3rd Bullet	*"Based on observations noted above, ECC recommends the one-time collection of three additional surface water samples downstream of SW-12 to assess surface water quality at increasing distances from the potential exit point of the Eastern Plume."* As discussed as part of the Second Five Year Review, pore water sampling should be performed along the eastern edge of the Eastern Plume within Mere Brook prior to sediment sampling as well as surface water sampling. Also, the phrase "from the potential exit point" must be identified. One way to do this is to substitute the following phrase: " upstream and downstream of MW-313/SW-12 along Mere Brook".	**Noted**. The April Technical Meeting discussed the use of pore water sampling at sites along the eastern edge of the Eastern Plume. MEDEP is providing a sampling plan as well as ECC to determine sampling along Mere Brook.

Comment #	Location	Comment	Response
		While the Navy would like to conduct this important sampling along Mere Brook only one time, MEDEP likely will require multiple rounds. (RR/ED)	
41	Section 3.1 Page 3-3 4th Bullet	*"Consider discussing possible reduction of sampling frequency or sample points for surface water and leachate stations during future long-term monitoring optimization."* a.) MEDEP is willing to this discuss this recommendation at any time with the Navy. However the Navy must prove that the reduction in sampling frequency or sampling points will not negatively affect the long term monitoring program's objectives. To date MEDEP does not feel that a reduction in sampling frequency or sampling points is warranted and in some locations additional monitoring should be undertaken. b.) The Navy's should add the following recommendation per our many discussions of mini wells : "Very shallow water collectors (mini-wells) will be constructed at Sites 1 and 3 downgradient leachate seeps in the spring of 2005." (ED)	**Noted.** Based on the results of future investigations, Stakeholders should approach sampling network optimization again. b)The following statement will be added to the report: "Based on discussions with EPA and MEDEP, the Navy will be installing shallow point piezometers in the immediate vicinity of the leachate seeps at Sites 1 & 3 in April 2005. The shallow piezometers will allow a more representative assessment of leachate conditions by reducing the oxidized suspended solids present in the leachate seeps. An SOP for shallow point piezometers will be included as an appendix to Site 1,3 & EP Monitoring Event 26 (April 2005) Report.
42	Section 3.1 Page 3-3 5th Bullet	*"Consideration should be given to changing the remedial approach for the Eastern Plume from pump-and-treat …"* The remedial approach for the Eastern Plume also includes containment and a change to hot spot removal would necessitate a change in the Record of Decision. (MTG)	**Noted**. The April 2005 Technical Meeting discussed the remedial approaches and will continue to use pump and treat as the option of choice.
43	Section 3.1 Page 3-3 6th Bullet	*"Abandon extraction well EW-01 as soon as possible to eliminate the potential for cross-aquifer contamination if pumping during groundwater extraction is interrupted."* Support for <u>replacing</u> EW-01 has been given for the past several years. No plan has been received from the Navy to date to accomplish this goal. The issue of possible cross-contamination is secondary to improving capture of the plume near the southern boundary. This is because cross-contamination has likely already occurred to the extent that it can occur, given that EW-01 was constructed with a very long screen that could allow flow between deep and shallow groundwater zones under certain hydraulic conditions. At any time, pumping can be shut down at only EW-01, and the well casing immediately grouted and properly abandoned. However, a replacement well already planned and funded so that it can be brought on-line soon thereafter. (RR)	**Noted.** The Navy has contracted to complete soil borings and investigation for the siting of 2 new extraction wells. The extraction wells are scheduled to be completed during the summer of 2005. EPA and MEDEP will be involved in the determination of extraction well placement.
END OF COMMENTS			

Responses to Comments EPA-Region 1
Sites 1 & 3 Eastern Plume
Draft Final Monitoring Event 24 Report, April 2004
Naval Air Station, Brunswick, Maine

Reviewer: Christine A. P. Wiliams
Date: February 3, 2005 (received at ECC)
Respondent: ECC
Date: February 7, 2005

Comment #	Location	Comment	Response
1	General	Results from Event 24 are generally consistent with recent trends (see, e.g., Appendix C), particularly for VOCs. Mid-plume well MW-331 had exhibited the maximum total VOCs in recent rounds, reaching a peak of about 1800 ppb in Fall 2002. However, there is some suggestion of a decreasing trend since that peak; over the past three rounds, spring decreases have been larger than fall increases, resulting in an overall decline. Although it is too early to draw firm conclusions, it seems possible that (at least) a local VOC maximum has been advected past this monitoring point. It is interesting to note, however, that P-106 (located farther upgradient), which formerly showed the highest total VOC concentrations, was approximately equal to MW-331 in this event (MW-331: 1024 ppb; P-106: 1051 ppb). Concentrations of most individual COCs were comparable at the two wells, with the exception of total 1,2-DCE, which was much higher at MW-331 (247 ppb) than at P-106 (15.3 ppb). The two wells showed comparable ORP (MW-331: 107.7 mV in downhole measurements accompanying PDB sampling; P-106: 149.1 mV in low-flow sampling); the difference in the concentration of the daughter product 1,2-DCE apparently is not due to a current difference in redox conditions.	**Concur**.
2	General	It might be noted in the general material presented in the document (e.g., in Sec. 1.5) that sampling and analysis for 1,4-dioxane was added to the monitoring program for the first time in ME24. This will serve to highlight a change to the program, as well as to explain some differences seen in reported results. For example, a sharp increase in total VOCs was noted at MW-313 (see, e.g., p. 2-8, sec. 2.3.3, where the report acknowledges this), but this is due in large measure to the first-time addition of 1,4-dioxane analysis. The Comment noted that the addition of 1,4-dioxane analysis to selected wells in ME24 changes the basis of comparison of figures for total VOCs among wells and among monitoring rounds. The Response suggests that 1,4-dioxane will be omitted from the calculation of total VOCs, and discussed separately. This is a good way to maintain consistency, as	**Concur**. 1,4 dioxane was added in the database determination of total LTMP VOCs. Note that 1,4 dioxane is not a historical LTMP VOC, and that its inclusion has impacted data comparability. 1,4 dioxane in future reports will not be included in the determination total (LTMP) VOCs. Instead 1,4 dioxane will be called out and discussed as a constituent requested by the stakeholders in select monitoring wells. Noted.

Comment #	Location	Comment	Response
		well as completeness; the proposed accounting should be adopted.	
3	General	It appears that the MNA assessment is in error because of the use analytical results for methane in micrograms per liter rather than milligrams per liter when comparing to the scoring criterion. This results in points being scored at seven monitoring wells for methanogenic conditions when the support is not as strong as implied. Three wells in the suite of wells evaluated for MNA are shown as ranking in the "adequate evidence of biodegradation" category. Without the three points awarded for elevated methane, all of these wells drop into the category of "limited evidence," and none remain in the "adequate" category. The implications for the MNA assessment should be reconsidered. The Comment noted that the MNA "scoring" was in error with respect to methane data. The Response agrees to check and revise the table. This is welcome, as the impact to the overall assessment of conditions favorable or unfavorable to reductive dechlorination will be significant.	**Concur.** Table 17 will be rescored. See Table 17 attached to the end of these comments
4	General	The recommendations presented in section 3.1 generally are well motivated, and are endorsed.	**Noted.**
5	Page 1-6, Section 1.5	The text summary states, "The GWETS was operational for 93.2 percent of available hours in April 2004." This statement should be qualified by noting that the reported figure is for the "current month operating system," i.e., based on the capacity of the *operating* wells (EW-1, EW-2A, and EW-5A), but excluding inoperative wells (EW-4). Performance based on total well capacity was only 31.6% (see, e.g., Table 5). Perhaps both figures should be repeated here in the text for objectivity.	**Concur.**
6	Page 1-8, Section 1.7	Please change "... yellow springs ..." to "... Yellow Springs ."	**Concur.** The text will be changed from "yellow springs" to "Yellow Springs"
7	Page 1-9, Section 1.8.3	Please change "summery" to "summary."	**Concur.** The text will be changed from "summery" to "summary"
8	Page 1-10, Section 1.9	Please change "... encased in concrete and burrows ..." to "... encased in concrete ... ."	**Concur.** The text will be changed from "... encased in concrete and burrows..." to "... encased in concrete…"
9	Page 2-1, Section 2.1	The text states, "Table 5 summarizes the monthly flow rates for the four extraction wells ... ," suggesting that the table shows rates *by the month* for the reporting period (e.g., November 2003 through April 2004). However, the table shows *daily* flow rates for the month of April 2004 only. A summary of the monthly flow rates since the previous semi-annual report would be informative. While the daily performance during the month of the groundwater sampling event is useful, the "bigger picture" afforded by monthly figures is also relevant to the interpretation	**Concur.** Requested tables/data will be added.

Comment #	Location	Comment	Response
		of the monitoring data (e.g., Have long-term changes in the extraction rates affected concentrations at monitoring wells downgradient of the extraction wells?) The Comment recommended that monthly flow-rate data be reported. The Response states that the requested data will be tabulated and included. This will be useful, reference data with regard to system performance, as well as potential impacts on the LTM monitoring wells.	
10	Page 2-1, Section 2.1	The text states that the extraction wells "... were operational during the majority of time since the last monitoring event (October 2003)." However, this is not apparent from the data provided in Table 5, which show that EW-4 was down for the entire month of April. A monthly summary would provide a better perspective on long-term operations, and would presumably support the statement made here	**Concur**. Please see comment #9 response.
11	Page 2-2, Section 2.1	The second plot on this page shows the mass extraction rate (kg/month) for the GWETS. Please note that, although the specific rates shown above the plotted line for March and April 2004 are 0.4 and 0.3 kg/month, respectively, the plotted line appears to be level. Please check plot for consistency.	**Concur.** Plots will be revised as appropriate.
12	Page 2-3, Section 2.2	The last sentence on this page notes that only one well in the Sites 1 and 3 gauging program, MW-201R, showed a water level in excess of its specified trigger elevation. The figures cited are, at first glance, rather startling: trigger elevation: 35 ft msl; observed water level: 46.78 ft msl. However, Table 3 lists this well as being *outside* the slurry wall, consistent with the location shown on Figure 2. Why is there a "trigger elevation" for a monitoring point outside the slurry wall? Please check the agreement of 9 October 2003 for consistency.	**Concur.** Trigger elevations only apply to wells located within the slurry wall. There is no trigger elevation established for MW-201R, however we do gauge it. (see attached gauge sheet from the last event (Jan.05)
13	Page 2-4, Section 2.3.1	The discussion of analytical results for MW-217B notes that 1,4-DCB rose to 17.3 ppb in ME24. Table B-1, provided in Appendix B, shows that this figure is the result for 1,2-DCB, and the entry in the table for 1,4-DCB is 21.6 ppb. Note that the latter approaches the MEG of 27 ppb. Please check table and text for consistency	**Concur**. Sentence will be revise, "The concentration of 1,4 dichlorobenzene has increased from non-detect to 21.6 µg/L". (See MEDEP Comment 11)
14	Page 2-6, Section 2.3.2	The text notes that arsenic exceeded the MCL at MW-217B, and that Fe, Al, and Mn were also in exceedance of relevant benchmarks. Al, Ba, Pb, and As increased over concentrations detected in ME23. Because these observations may cause some concern in the absence of further discussion, it is appropriate to note that the sample from this well was turbid. Table 6 indicates that the well purged dry, and the sample was "cloudy with particles." Iron, in particular, is extremely high at 173 mg/L, two orders of magnitude higher than at any other well within the site. It seems likely that the elevated inorganics are associated, at least in part, with the turbidity, and not a reliable indicator of water quality at this point, or of a trend of increasing metals.	**Concur.** Text will be revised with the field sampler's observations of "cloudy with particles" and that the sample was turbid. Please note that these samples are not field filtered, so consistency in metal levels may vary with sample turbidity.

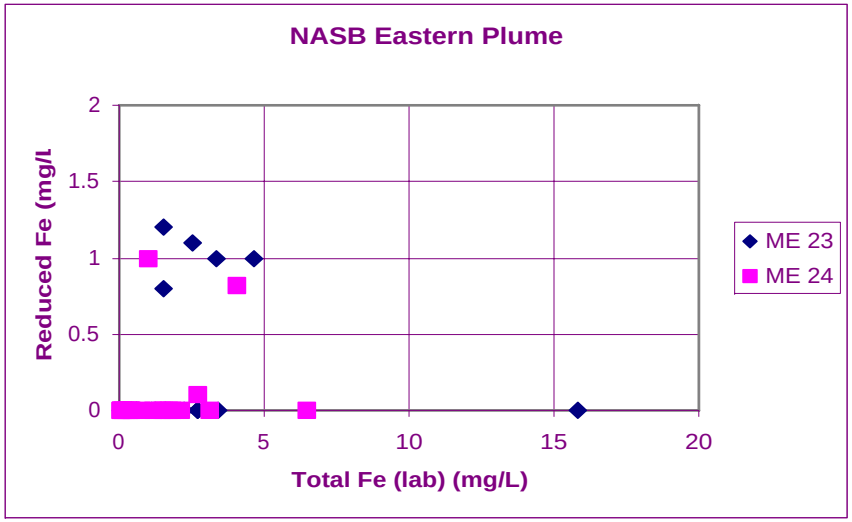
Comment #	Location	Comment	Response
15	Page 2-8, Section 2.3.3	The discussion of trends at MW-311 notes that total VOC concentrations have increased since May 2003, which is apparent from the trend plot. Both TCE and 1,1,1-TCA have followed this pattern. In order to put this trend in perspective, it would be useful here to include some comment on changes in the extraction rate at nearby EW-2A	**Concur**. MW-311 VOC levels will be evaluated with respect to EW-2A extraction rates in future reports.
16	Page 2-8, Section 2.3.3	The description of results for MW-313 notes that total VOCs increased sharply due to the detection of 1,4-dioxane, and notes further that, "This is the first detection of 1,4-dioxane." It might be added that this is the first time that a sample from MW-313 was *analyzed* for 1,4-dioxane, so that it is clear that the "first detection" likely is not due to a first-time arrival of the compound from upgradient	**Concur.** Text will be revised to indicate that April 2004 was the first round of 1,4 dioxane sampling.
17	Page 2-15, Section 2.4.4.1	The summary of results for LT-01 states that historical VOC detections have ranged to 100 *milli*grams per kilogram. Should this read *micro*grams per kilogram? Please check.	**Concur.** Appropriate concentration units will be used.
18	Page 2-16, Section 2.4.4.2	The summary of results for LT-04 gives As and Pb concentrations in *micro*grams per kilogram. Should this read *milli*grams per kilogram? Please check.	**Concur.** Appropriate concentration units will be used.
19	Page 2-18, Section 2.5.1	The discussion of results for the "background" well, MW-1104, notes that chloride was detected at a concentration of 18.1 mg/L. This serves as a reminder that chloride can be quite high in NASB groundwater that is believed to be unimpacted by hazardous chemical releases. Presumably, this is due to other phenomena, such as winter road salting and seepage from underlying marine sediments. (Maximum sodium detected at Sites 1 and 3 in ME24 was 210 mg/L at MW-218. One can expect that chloride is similarly high in the same locations.) This makes chloride a poor indicator of reductive dechlorination, as it is used in the EPA MNA "scoring" scheme. Complete dechlorination of the CVOCs present in the Eastern Plume would represent only a small perturbation to the ambient chloride, and probably could not be discriminated. The Comment noted that chloride data are of questionable value as an indicator of reductive dechlorination in the local setting at NASB. The Response notes correctly that chloride is only one index of MNA potential. It is agreed that chloride can be left in the assessment in order to conform to the protocol outlined in the EPA guidance. Appropriate circumspection is urged. The proposed effort to re-examine the "reference" values for the MNA assessment (e.g., to average over a number of agreed-upon "background" wells, rather than relying upon results from MW-1104) may have a significant effect on the weight given to chloride.	**Concur.** Chloride will only be used as one of many lines of evidence that must be mutually consistent with a reductive dechlorination scenario. Chloride will not be used as the sole determinator of reductive dechlorination. Noted.

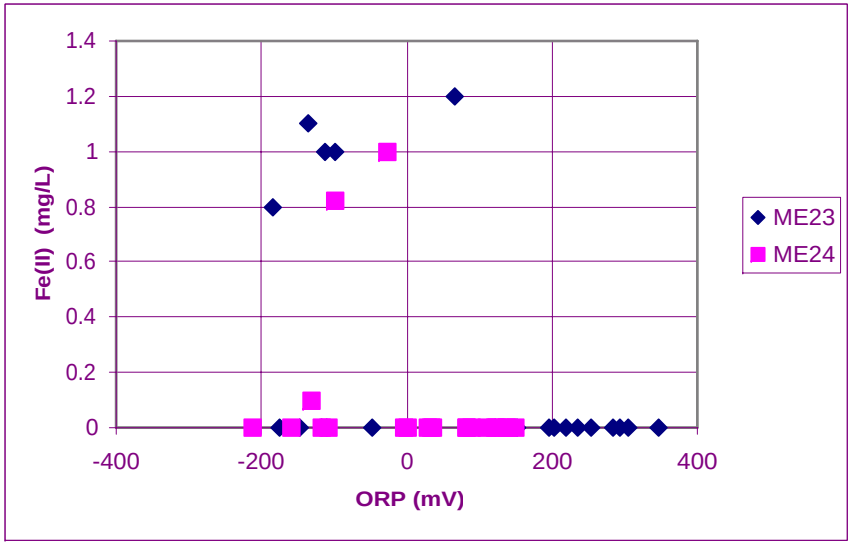
Comment #	Location	Comment	Response
20	Page 2-19, Section 2.5.1	The discussion of degradation of chlorinated solvents includes methane in the list of potential daughter products of PCE. Methane is analyzed in MNA assessments primarily as an indicator of redox conditions, rather than as a degradation byproduct; methanogenic conditions are favorable to reductive dechlorination	**Concur**: Methane is cited in the literature as degradation product presumably from biodegradation of ethane and ethene, which are the final reductive dechlorination daughter products of choroethane and chloroethenes. As methane can be generated from source other than CVOC biodegadation and it is not a clear-cut reductive dechlorination daughter product methane will be removed from the list.
21	Page 2-19, Section 2.5.1	The discussion of chloride correctly notes that chloride can be present from sources other than dechlorination of solvents. As noted in a previous comment (p. 2-18, sec. 2.5.1), this is particularly problematic for NASB, where "background" chloride can be very high, and changes due to degradation of CVOCs may be indistinguishable. Three wells scored points in the MNA assessment for chloride greater than twice that detected at reference well MW-1104. Mid-plume wells MW-319 and MW-331 scored 10 and 12 points, respectively, in the "limited evidence" range (6-14 points). Discounting the 2-point contribution due to elevated chloride would not change their classification. Downgradient well MW-338A scored 15 points, in the "adequate evidence" range (15-20 points). Discounting the 2-point contribution due to elevated chloride at this well would lower its classification to the "limited evidence" category The Comment noted that chloride data are of questionable value as an indicator of reductive dechlorination in the local setting at NASB. The Response notes correctly that chloride is only one index of MNA potential. It is agreed that chloride can be left in the assessment in order to conform to the protocol outlined in the EPA guidance. Appropriate circumspection is urged. The proposed effort to re-examine the "reference" values for the MNA assessment (e.g., to average over a number of agreed-upon "background" wells, rather than relying upon results from MW-1104) may have a significant effect on the weight given to chloride.	**Noted:** The scoring will be re-evaluated. Noted.
22	Page 2-20, Section 2.5.1	The section discussing results for Fe(II) analyses is titled "*Ferric* Iron," but would be more appropriately labeled "*Ferrous* Iron."	**Noted.** Ferric will be revised to ferrous.
23	Page 2-20, Section 2.5.1	The text states that two wells and one piezometer showed reduced iron equal to or above 1 mg/L. However, Table 17 shows that only P-111 showed Fe^{2+} at 1 mg/L; wells MW-NASB-212 and MW-313 showed detectable Fe^{2+} at 0.82 and 0.1 mg/L, respectively, but these values are below the MNA screening threshold (the scoring in the table is done correctly). Please correct the text to agree with the tabulated results	**Noted.** The table and text will be revised to be consistent.

<table>
<tr><th>Comment #</th><th>Location</th><th>Comment</th><th>Response</th></tr>
<tr><td>24</td><td>Page 2-20, Section 2.5.1</td><td>The discussion of analytical results for reduced iron includes a comparison of results from MEs 23 and 24, which is useful and welcome. Discussion of sampling for reduced iron in the teleconference of January 19 revealed that the methodology used was changed between MEs 23 and 24. In ME 23, reduced iron was analyzed in the field with a Hach kit. In ME 24, reduced iron was analyzed at an off-site laboratory. The text should be expanded to note this difference in sampling and analysis, as it bears on the interpretation and comparison. Note, for example, that four samples showed Fe(II) at or above 1 mg/L in ME 23, while only one well showed Fe(II) > 1 mg/L in ME 24. It is possible that some of this difference is due to the change in methodology (e.g., some of the reduced iron may have oxidized prior to lab analysis). Please see attached plots, which show the apparently greater prevalence of reduced iron in ME 23. (Non-detects (<0.1 mg/L) are plotted as zeroes.) In ME 24, under reducing conditions (e.g., ORP in the range ~-100 to -200 mV), when one might expect iron to be reduced and mobile, the ferrous iron results are low</td><td>Noted. A statement will be added to the text that the iron method used may have resulted in a low-bias for Fe(II).</td></tr>
<tr><td>25</td><td>Page 2-20, Section 2.5.1</td><td>The last sentence in the discussion of reduced iron results suggests that the presence of Fe(II) and methane are contradictory. It is not clear that this is the case. Ferric iron is reduced to ferrous iron at Eh ~-50 mV, and methanogenesis occurs at Eh ~ -240 mV, according to Fig. B.3.3 in the EPA MNA Protocol document (1998). (Note that these specific values vary depending upon a number of factors, including biological mediation of the reactions.) Reduced iron may remain in solution at the lower redox potential at which methane is generated. (At very low Eh, it is possible that new, relatively insoluble iron phases (e.g., sulfides) will form, and dissolved ferrous iron concentrations will drop again.) It is interesting to note that the ORPs measured in the low-flow sampling of MW-NASB-212 and MW-313 were -160 and -131 mV, respectively, and both Fe(II) and methane were detected at these wells. At P-111, Fe(II) was detected, methane was not, and the ORP was measured at -27 mV. These relationships are generally consistent with the appearance of methane at lower ORP than that required to mobilize ferrous iron.
<table>
<tr><td></td><td>ORP</td><td>Fe(II)</td><td>total Fe</td><td>CH_4</td></tr>
<tr><td>well</td><td>mV</td><td>mg/L</td><td>mg/L</td><td>µg/L</td></tr>
<tr><td>MW-NASB-212</td><td>-160</td><td>0.82</td><td>4.03</td><td>19.6</td></tr>
<tr><td>P-111</td><td>-27</td><td>1.0</td><td>0.994</td><td><10 U</td></tr>
<tr><td>MW-313</td><td>-131</td><td>0.1</td><td>2.72</td><td>47.2</td></tr>
</table></td><td>Concur. Depending upon the biodegradation pathway at a given locality in the plume the relative amounts of Fe(II) and methane will vary. The last sentence will be deleted.</td></tr>
</table>

Comment #	Location	Comment	Response
26	Page 2-21, Section 2.5.1	The discussion of methane as a MNA parameter defines methanogenesis as "... the anaerobic fermentation of VOCs ... ." In many cases, methanogenesis does not require VOCs as electron acceptors. Rather, the carbon source can be any organic compounds, naturally occurring or otherwise. Perhaps a more comprehensive definition would be, "... the anaerobic fermentation of organic carbon ... ."	**Concur**. The methanogenesis definition provided assumed a co-release of VOC (i.e. BTEX as a carbon source), but as noted any organic carbon, natural or released, can serve as substrate for methanogenesis. The text will be revised to: "...the anaerobic fermentation of organic carbon..."
27	Page 2-21, Section 2.5.1 and Table 17	The MNA scoring system awards three points for methane greater than 0.5 mg/L because this is a strong indicator of redox conditions favorable to reductive dechlorination. Table 17 shows that 7 wells received points for elevated methane: MW-207AR, MW-313, MW-NASB-212, MW-303, MW-315A, MW-335, and MW-338A. Please note, however, that methane concentrations are reported in micrograms per liter (see Table B-5), rather than milligrams per liter. The maximum methane detected is 141 micrograms per liter at MW-303, or 0.141 mg/L, well below the threshold concentration used to discriminate a favorable condition in the scoring scheme (0.5 mg/L). Therefore, all points awarded for methane detection in Table 17 are in error. This causes the total score for each of the 7 wells listed here to drop by three points. Three of the wells, MW-207AR, MW-313, and MW-338A, then drop from the category of "adequate evidence of biodegradation" to "limited evidence." These are the only three wells that fell in this category in the assessment, as shown on Figure 14. Correction of this error will eliminate all red stippled areas shown on the map. Corresponding statements in the text (e.g., p. 2-22, sec. 2.5.2) should be modified accordingly The Comment noted that the MNA "scoring" was in error with respect to methane data. The Response agrees to check and revise the table. This is welcome, as the impact to the overall assessment of conditions favorable or unfavorable to reductive dechlorination will be significant.	**Concur**. Methane was reported in units of ug/L, while the Weidemener et al. scoring criteria is based upon mg/L levels of methane. The MNA scores will be revised as appropriate.
28	Page 3-1, Section 3.1	The first bullet in this section states that concentrations at MW-331 continue to increase, and that this well exhibits the highest total VOCs in the plume. However, in this round, MW-331 showed total VOCs nearly identical to that at P-106 (MW-331: 1024 ppb; P-106: 1051 ppb), acknowledging that detection of 1,4-dioxane at P-106 at 42.7 ppb is what gives P-106 a higher total than MW-331. Also, there is some suggestion that MW-331 is starting show a decline in concentrations; in ME21, 1,1,1-TCA was measured at ~1000 ppb, while in this round, 1,1,1-TCA was detected at 442 ppb; in ME21, TCE was found at nearly 400 ppb, and in ME24 TCE was measured at 226 ppb. A trend is not yet well defined here, but it is not clear that the pattern is still increasing. These observations do not affect the recommendation presented here (i.e., to pursue an update to the extraction system to improve mass removal and efficiency), which is endorsed	**Concur.** The 1,4 dioxane detections and impacts upon data comparability with past events (i.e the increased total VOC detections) will be re-evaluated and re-written. ECC will not add 1,4 dioxane into the total VOC detections, as that as noted in comments, will bias the 1,4 dioxane sampling events and reduce data comparability between ME's.

Comment #	Location	Comment	Response
29	Tables 8 and 10	It appears that the many of the field parameters entered for the PDB sampling (Table 8) and for the low-flow sampling (Table 10) are identical, although they were measured by independent methods. For example, it is noted that the ORP recorded in Table 8 for MW-313 is -131 mV, while the field sheets provided in Appendix E show that a value of -105 mV was recorded in conjunction with the PDB sampling. Therefore, it appears that the low-flow field parameters were entered in Table 8 for a number of wells. Please cross-check the tables with the field sheets, and update accordingly.	**Concur**. These sheets will be re-checked for accuracy and consistency with the sampling method used. Please note that the measurements may have occurred at different times, but all measurements were made with either YSI probes mounted in ex-situ flow cells (low-flow sampling) or measurements were made in-situ with YSI down-hole probes (PDB sampling).
END OF COMMENTS			





APPENDIX B

Laboratory Analytical Data Summary Tables

TABLE B-1 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 16 APRIL AND 21 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			MW-202A	MW-203	MW-203 (Dup)	MW-204	MW-2101	MW-217B	MW-218	MW-219	MW-240
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Deep Diffusion Sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	17.37	0.49	ND	ND	ND	45.54	ND	ND	ND
1,1,1-Trichloroethane	200	200	6.8	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2,2-Tetrachloroethane	NC	NC	6	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	1.4	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethane	70	NC	1	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichlorobenzene	600	600	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	17.3	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	0.49	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,4-Dichlorobenzene	27	75	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	21.6	(<2U)	(<2U)	(<2U)
Benzene	5	5	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	(<0.5U)	0.64	(<0.5U)	(<0.5U)	(<0.5U)
Chlorobenzene	47	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	2.3	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2UJ)	0.49J	(<2UJ)	(<2UJ)	(<2U)	(<2UJ)	(<2UJ)	(<2UJ)	(<2UJ)
Ethylbenzene	700	700	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Methylene chloride	NC	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	1.3	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Toluene	1,400	1,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	5	5	0.87	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Vinyl chloride	0.15	2	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	**3.7**	(<2U)	(<2U)	(<2U)
Xylenes, Total	600	10,000	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE B-2 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 16 APRIL AND 21 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			MW-202A	MW-203	MW-203 (Dup)	MW-204	MW-2101	MW-217B	MW-218	MW-219	MW-240
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Aluminum	1,430	200	(<91.9U)	(<67.7U)	(<73.3U)	(<65.7U)	**250J**	**3,370J**	**309J**	**1,180J**	**3,050J**
Arsenic	NC	10	(<3.8U)	(<5U)	(<5U)	(<5U)	(<5U)	**70.9**	**129**	(<5U)	(<3.6U)
Barium	1,500	2,000	41.9J	19.8J	19.8J	(<200UJ)	41.6J	104J	(<200UJ)	8.3J	14.2J
Beryllium	NC	4	(<4U)	(<4U)	(<4U)	(<4U)	(<4U)	0.73	(<4U)	(<4U)	(<4U)
Calcium	NC	NC	145,000	47,900	48,500	3,020	35,500	55,600	14,600	11,100	18,700
Chromium	100	100	1.7J	3.3J	5.5J	3J	2.5J	11.8J	14.8J	10.1J	18.5J
Cobalt	NC	NC	2.5	(<50U)	(<50U)	(<50U)	1.1	11	0.93	1.3	1.5
Copper	NC	1,300	(<25U)	(<25U)	(<25U)	(<25U)	(<25U)	17.8	(<25U)	(<25U)	(<10.6U)
Iron	NC	300	**4,810J**	(<32.8U)	(<34.1U)	(<19.4U)	275J	**173,000J**	**2,320J**	**1,790J**	**807J**
Lead	NC	15	(<3U)	(<3U)	(<3U)	(<3U)	(<3UJ)	5	(<3U)	(<3U)	(<3U)
Magnesium	NC	NC	12,800	8,700	8,720	950	3,590	18,600	8,770	4,010	3,470
Manganese	200	50	**634**	(<8U)	(<8.3U)	(<2.5U)	19.4	**1,410**	**458**	28.3	24.5
Nickel	100	100	8.9	8.3	7.9	2.2	3.3	18.8	14.2	7.3	15.3
Potassium	NC	NC	12,400	2,680	2,670	(<307U)	6,830	4,870	7,960	1,210	2,350
Sodium	NC	NC	14,800	11,300	11,400	4,050	2,960	146,000	210,000	6,670	7,910
Vanadium	NC	NC	(<50U)	1.3	1.4	(<50U)	(<50U)	20.4	(<50U)	2.8	1.5
Zinc	NC	5,000	15J	7.3J	9.3J	11J	7.9J	755J	21.9J	12.1J	5.4J

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
J = Estimated concentration.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix C) for Method Detection Limits for referenced analytical methods.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE B-3 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			MW-105A	MW-1104	MW-205	MW-207AR		MW-224		MW-224 (Dup)
			Deep Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Low-flow sample	Mid-depth Diffusion Sample	Mid-depth Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**								
Total VOC	NC	NC	ND	ND	63.9	47.04	49.15	19.2	16.7	16.8
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	24.5	(<2U)	1.4J	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	0.64J	0.45J	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	4.2	1.3	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	4	21.1	23.3	9.5	8.7	8.7
Acetone	NC	NC	(<5UJ)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	4	21.1	23.3	9.5	8.7	8.7
Tetrachloroethene	3	5	(<2U)	(<2U)	**3.7**	**7.9**	**9.2**	1.5J	1.1J	1.1J
Trichloroethene	5	5	(<2U)	(<2U)	**27.5**	**16.1**	**14.8**	**8.2**	**6.9**	**7**

			MW-225A	MW-225A (Dup)	MW-229A	MW-230A	MW-231A	MW-231B	MW-303	MW-305	MW-306
			Mid-depth Diffusion Sample	Mid-depth Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	34.2	35.45	41.39	7.02	ND	ND	ND	ND	5.57
1,1,1-Trichloroethane	200	200	3	3.5	13.5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2UJ)	(<2U)
1,1-Dichloroethane	70	NC	(<2U)	0.35J	0.49J	0.48J	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	1.2	1.1	2.9	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	12.5	12.4	4.6	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Acetone	NC	NC	(<5UJ)	(<5UJ)	(<5UJ)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	0.57J
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	5
cis-1,2-Dichloroethene	NC	NC	12.5	12.4	4.6	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	**7.3**	**7.4**	**3.1**	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	**10.2**	**10.7**	**16.8**	**6.5**	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

TABLE B-3 (CONTINUED)

			MW-308	MW-309B	MW-311		MW-313		MW-315A		
			Deep Diffusion Sample	Deep Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	ND	ND	118.25	119.1		4.1	ND	ND	ND
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	40.6	41.2		(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)		(<2UJ)	(<2U)	(<2UJ)	(<2U)
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	10.2	10.2		2.5	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	**19.7**	**19.8**		1.6	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	0.45J	(<2U)		(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	4.6	4.3		(<2U)	(<2U)	(<2U)	(<2U)
1,4-Dioxane	NC	NC					84				
Acetone	NC	NC	(<10U)	(<5U)	9.5	9.2		(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)		(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)		(<2U)	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	4.6	4.3		(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	(<2U)	(<2U)	**6.1**	**6.8**		(<2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	(<2U)	(<2U)	**36.6**	**36.8**		(<2U)	(<2U)	(<2U)	(<2U)

			MW-318	MW-319	MW-323	MW-330	MW-331		MW-332	MW-333	
			Deep Diffusion Sample	Deep Diffusion Sample	Low-flow sample	Deep Diffusion Sample	Low-flow sample	Mid-depth Diffusion Sample	Mid-depth Diffusion Sample	Low-flow sample	Mid-depth Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	ND	39.5	2.1	ND		1,024.18	85.7		14.02
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	(<2U)	(<2U)		**442**	37.4		(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)		0.48J	(<2U)		(<2UJ)
1,1-Dichloroethane	70	NC	(<2U)	2.4	2.1	(<2U)		42.4	2.8		6.8
1,1-Dichloroethene	7	7	(<1U)	1.1	(<1U)	(<1U)		**58.9**	4.5		6.6
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)		(<2U)	2.5		0.62J
1,2-Dichloroethene, Total	70	70	(<2U)	1.8	(<2U)	(<2U)		**247**	9.1		(<2U)
1,4-Dioxane	NC	NC					(<7.2U)			47.6	
Acetone	NC	NC	(<5U)	(<5U)	(<5U)	8.1		(<5U)	(<5U)		(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)		(<2U)	(<2U)		(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)		(<2U)	18.7J		(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	1.8J	(<2U)	(<2U)		247	9.1		(<2U)
Tetrachloroethene	3	5	(<2U)	**29.2**	(<2U)	(<2U)		**7.4**	1.2J		(<2U)
Trichloroethene	5	5	(<2U)	5	(<2U)	(<2U)		**226**	**13.2**		(<2U)

TABLE B-3 (CONTINUED)

			MW-334	MW-335				MW-336			
			Deep Diffusion Sample	Low-flow sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Low-flow sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	1.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethane	70	NC	1.1J	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Acetone	NC	NC	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

			MW-337				MW-337 (Dup)	MW-338A			
			Low-flow sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Low-flow sample	Low-flow sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Total VOC	NC	NC	1.3	0.85	1.3	1.34	1.1	ND	ND	ND	ND
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2UJ)	(<2UJ)	(<2UJ)	(<2UJ)
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	0.69J	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,4-Dioxane	NC	NC						(<1.5U)			
Acetone	NC	NC	(<5U)	(<5UJ)	(<5UJ)	(<5UJ)	(<5UJ)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	1.3J	0.85J	1.3J	0.65J	1.1J	(<2U)	(<2U)	(<2U)	(<2U)

TABLE B-3 (CONTINUED)

			MW-338B				MW-338C		
			Low-flow sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**							
Total VOC	NC	NC	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2UJ)	(<2UJ)	(<2UJ)
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Acetone	NC	NC	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)

			MW-339			MW-NASB-212	P-106	P-111	P-132	P-132 (Dup)
			Shallow Diffusion Sample	Mid-depth Diffusion Sample	Deep Diffusion Sample	Shallow Diffusion Sample	Low-flow sample	Low-flow sample	Deep Diffusion Sample	Deep Diffusion Sample
Compound/Element	**MEG (a)**	**MCL (b)**								
Total VOC	NC	NC	ND	ND	ND	8.6	1,051.46	ND	ND	ND
1,1,1-Trichloroethane	200	200	(<2U)	(<2U)	(<2U)	(<2U)	**540**	(<2U)	(<2U)	(<2U)
1,1,2-Trichloroethane	3	5	(<2UJ)	(<2UJ)	(<2UJ)	(<2U)	0.84J	(<2U)	(<2UJ)	(<2UJ)
1,1-Dichloroethane	70	NC	(<2U)	(<2U)	(<2U)	(<2U)	25.3	(<2U)	(<2U)	(<2U)
1,1-Dichloroethene	7	7	(<1U)	(<1U)	(<1U)	(<1U)	**126**	(<1U)	(<1U)	(<1U)
1,2-Dichloroethane	5	5	(<2U)	(<2U)	(<2U)	(<2U)	0.9J	(<2U)	(<2U)	(<2U)
1,2-Dichloroethene, Total	70	70	(<2U)	(<2U)	(<2U)	1.4	15.3	(<2U)	(<2U)	(<2U)
1,4-Dioxane	NC	NC					42.7			
Acetone	NC	NC	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)
Bromodichloromethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Chloroform	NC	100	(<2U)	(<2U)	(<2U)	(<2U)	0.42J	(<2U)	(<2U)	(<2U)
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	1.4J	15.3	(<2U)	(<2U)	(<2U)
Tetrachloroethene	3	5	(<2U)	(<2U)	(<2U)	(<2U)	**8.7**	(<2U)	(<2U)	(<2U)
Trichloroethene	5	5	(<2U)	(<2U)	(<2U)	**7.2**	**334**	(<2U)	(<2U)	(<2U)

TABLE B-3 (CONTINUED)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE B-4 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			MW-105A	MW-105B	MW-1104	MW-205	MW-207AR	MW-224	MW-229A	MW-229B	MW-NASB-212
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Arsenic	NC	10	(<4U)	1.3J	(<1U)	1.2J	7.9	0.53J	1.5J	0.58J	**32.3**
Iron	NC	300	(<34.9U)	210	**1,170**	**2,110**	**6,460**	(<79.7U)	**1,550**	**400**	**4,030**
Manganese	200	50	(<1.8U)	13.2	**53.9**	**97.6**	**235**	23.2	42.2	10.2	**526**

			MW-230A	MW-231A	MW-231B	MW-303	MW-305	MW-306	MW-306 (Dup)	MW-310	MW-313
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Arsenic	NC	10	2.3J	(<0.58U)	(<1.7U)	**32.6**	(<5.1U)	(<1.1U)	(<1U)	1.3J	**10.2**
Iron	NC	300	**1,700**	**397**	**357**	**1,790**	**1,480**	(<89.2U)	(<73.7U)	(<164U)	**2,720**
Manganese	200	50	**408**	(<8U)	(<9U)	**126**	46.6	4	3.2	(<4.3U)	**136**

			MW-315A	MW-318	MW-319	MW-330	MW-331	MW-332	MW-333	MW-334	MW-335
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Arsenic	NC	10	4.8	6.5	(<4U)	(<1.8U)	(<1.2U)	(<0.46U)	9.5	7	2.4J
Iron	NC	300	**2,410**	**762**	(<115U)	**3,090**	(<86.4U)	(<64.3U)	**1,460**	**1,800**	**1,750**
Manganese	200	50	**325**	**92.4**	(<8.5U)	**258**	3.4J	3	**187**	**211**	**174**

			MW-336	MW-337	MW-337 (Dup)	MW-338A	MW-338B	MW-338C	MW-339	P-106	P-111
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Arsenic	NC	10	(<4U)	(<3U)	2.8J	**44.7**	2.6J	5	(<2U)	(<1.2U)	(<1.1U)
Iron	NC	300	(<135U)	**1,910**	**1,960**	**2,440**	**1,490**	**746**	**971**	54.2J	**994**
Manganese	200	50	(<8.9U)	**714**	**680**	**77.9**	**284**	20.8	**276**	2.2	**67.6**

TABLE B-4 (CONTINUED)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-5 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
NATURAL ATTENUATION PARAMETERS (mg/L)

			MW-105A	MW-105B	MW-1104	MW-205	MW-207AR	MW-224	MW-229A	MW-229B	MW-NASB-212
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Alkalinity, Total as CaCO3	NC	NC	22.2	12.1	23.2	62.6	67.7	7.1	30.3	8.1	100
Chloride	NC	NC	(<4.5U)	(<4U)	18.1	9.1	15.6	23.7	7	16.6	33.2
Ethane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Ethene	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Iron, Ferrous	NC	NC	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	0.82
Methane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01UJ)	0.016	(<0.01UJ)	(<0.01U)	(<0.01U)	0.02
Nitrogen, Nitrate	NC	NC	2.4	(<0.11U)	0.32	1.6	(<0.11U)	2.5	0.9	0.29	(<0.11U)
Nitrogen, Nitrate + Nitrite	NC	NC	2.4	(<0.1U)	0.32	1.6	(<0.1U)	2.5	0.9	0.29	(<0.1U)
Nitrogen, Nitrite	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Sulfate	NC	NC	119	9	22.2	(<5U)	7.6	10.1	(<5U)	5	13.9
Total Organic Carbon	NC	NC	(<1U)	(<1.2U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1.5

			MW-230A	MW-231A	MW-231B	MW-303	MW-305	MW-306	MW-306 (Dup)	MW-310	MW-313
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Alkalinity, Total as CaCO3	NC	NC	42.4	13.1	15.2	128	60.6	8.1J	14.1J	17.2	85.9
Chloride	NC	NC	8.6	6.5	(<4.5U)	3.5	4.5	8.1J	17.1J	15.6	22.7
Ethane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Ethene	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Iron, Ferrous	NC	NC	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	0.1
Methane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	0.141	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	0.047
Nitrogen, Nitrate	NC	NC	(<0.11U)	0.17	(<0.11U)	(<0.11U)	(<0.11U)	0.18	(<0.11U)	1.8	(<0.11U)
Nitrogen, Nitrate + Nitrite	NC	NC	(<0.1U)	0.17	(<0.1U)	(<0.1U)	(<0.1U)	0.18	(<0.1U)	1.8	(<0.1U)
Nitrogen, Nitrite	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Sulfate	NC	NC	(<5U)	(<5U)	7.6	(<5U)	7.4	6.1	(<5U)	6.3	(<5U)
Total Organic Carbon	NC	NC	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1	(<1U)	(<1U)

TABLE B-5 (CONTINUED)

			MW-315A	MW-318	MW-319	MW-330	MW-331	MW-332	MW-333	MW-334	MW-335
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Alkalinity, Total as CaCO3	NC	NC	43.4	25.3	26.3	31.3	(<5UJ)	12.1	67.7	56.6	80.8
Chloride	NC	NC	11.6	4.5	70.5	6.5	70.5	17.6	19.6	17.6	29.7
Ethane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Ethene	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Iron, Ferrous	NC	NC	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)
Methane	NC	NC	0.012	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	0.033J
Nitrogen, Nitrate	NC	NC	(<0.11U)	0.11	3	(<0.11U)	0.19J	(<0.11U)	(<0.11U)	(<0.11U)	(<0.11U)
Nitrogen, Nitrate + Nitrite	NC	NC	(<0.1U)	0.11	3	(<0.1U)	0.19J	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)
Nitrogen, Nitrite	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Sulfate	NC	NC	(<5U)	(<5U)	16.5	10.5	11	5.9	(<5U)	(<5U)	(<5U)
Total Organic Carbon	NC	NC	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)	1.3	(<1U)	(<1U)	(<1U)

			MW-336	MW-337	MW-337 (Dup)	MW-338A	MW-338B	MW-338C	MW-339	P-106	P-111
			Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**									
Alkalinity, Total as CaCO3	NC	NC	(<5U)	47.5	48.5	328	37.4	26.3	45.5	55.6	35.4
Chloride	NC	NC	(<4U)	11.1	11.6	131	7	3	6.5	9.1	5
Ethane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Ethene	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Iron, Ferrous	NC	NC	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	1
Methane	NC	NC	(<0.01UJ)	(<0.01U)	(<0.01U)	0.175	(<0.01UJ)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Nitrogen, Nitrate	NC	NC	(<0.11U)	(<0.11U)	(<0.11U)	(<0.11U)	(<0.11U)	(<0.11U)	(<0.11U)	0.38	(<0.11U)
Nitrogen, Nitrate + Nitrite	NC	NC	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	(<0.1U)	0.38	(<0.1U)
Nitrogen, Nitrite	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)	(<0.01U)
Sulfate	NC	NC	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	(<5U)	12.2
Total Organic Carbon	NC	NC	(<1U)	(<1U)	(<1U)	2	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

TABLE B-5 (CONTINUED)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are milligrams per liter (mg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE B-6 SUMMARY OF GROUNDWATER SAMPLES COLLECTED FROM THE GWETS BETWEEN 15 APRIL AND 21 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			Plume Combined	rn Plume Raw Inf	EW-01	EW-02A	EW-05A
			Grab Sample	Grab Sample	Low-flow sample	Low-flow sample	Low-flow sample
Compound/Element	**MEG (a)**	**MCL (b)**					
Total VOC	NC	NC	ND	144.4	52	473	38.9
1,1,1-Trichloroethane	200	200	(<2U)	65.4	9	**239**	15.3
1,1-Dichloroethane	70	NC	(<2U)	6.5	1.6J	17.9	3.8
1,1-Dichloroethene	7	7	(<1U)	**13.4**	2.8	**36.1**	5.2
1,2-Dichloroethene, Total	70	70	(<2U)	20.1	12.6	**70.1**	2.6
1,4-Dioxane	NC	NC	10.5				
cis-1,2-Dichloroethene	NC	NC	(<2U)	20.1	12.6	68.9	2.6
Tetrachloroethene	3	5	(<2U)	2.4	**3.6**	**5.9**	(<2U)
trans-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	1.2J	(<2U)
Trichloroethene	5	5	(<2U)	**36.6**	**22.4**	**104**	**12**

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
GWETS = Ground-water Extraction and Treatment System.
NC = Criteria not applicable.
Units are micrograms per liter (µg/L).
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Concentrations highlighted with gray and bold type denote exceedance of MEG or MCL.

TABLE B-7 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 12 APRIL AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SW-04	SW-04 (Dup)	SW-07	SW-08	SW-09
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC					
Total VOC	NC	NC	ND	ND	ND	ND	ND

(a) SWQC Maine Statewide Water Quality Criteria compared to Criteria Maximum Concentration (CMC). If not CMC value, then it is compared to Criteria Continuous Concentration (CCC).
(b) NWQC National Recommended Water Quality Criteria Correction, EPA Office of Water, EPA 822-799-001, April 1999.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-8 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 12 APRIL AND 22 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			SW-04	SW-04 (Dup)	SW-07	SW-08	SW-09
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC					
Aluminum	750	750	142J	150J	155J	158J	127J
Barium	NC	NC	28.3	28.1	27.6	27.1	25.3
Calcium	NC	NC	10,500	10,400	10,200	10,600	10,200
Iron	1,000	1,000	518	606	784	726	580
Lead	NC	NC	(<3U)	(<3U)	(<3U)	(<3UJ)	(<3UJ)
Magnesium	NC	NC	2,180J	2,150J	2,110J	2,140	2,050
Manganese	NC	NC	218	217	215	218	211
Nickel	NC	NC	(<40U)	2	1.7	1.8J	1.7J
Potassium	NC	NC	1,850	1,810	1,790	1,780J	1,700J
Sodium	NC	NC	26,000	26,000	25,300	24,000	22,200
Thallium	1,400	NC	(<10U)	2.9	3.3	(<10UJ)	(<10UJ)
Vanadium	NC	NC	1.8	(<50U)	(<50U)	(<50UJ)	(<50UJ)
Zinc	29.9	120	13.4	13.7	11.8	12.6	15.1

(a) SWQC Maine Statewide Water Quality Criteria compared to Criteria Maximum Concentration (CMC). If not CMC value, then it is compared to Criteria Continuous Concentration (CCC).
(b) NWQC National Recommended Water Quality Criteria Correction, EPA Office of Water, EPA 822-799-001, April 1999.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.

TABLE B-9 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SW-10	SW-11	SW-11 (Dup)	SW-12	SW-13	SW-14
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC						
Total VOC	NC	NC	ND	ND	ND	ND	ND	ND
Acetone	NC	NC	(<5U)	(<5U)	(<5U)	10.8	38.7	37.3

(a) SWQC Maine Statewide Water Quality Criteria compared to Criteria Maximum Concentration (CMC). If not CMC value, then it is compared to Criteria Continuous Concentration (CCC).
(b) NWQC National Recommended Water Quality Criteria Correction, EPA Office of Water, EPA 822-799-001, April 1999.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-10 SUMMARY OF SURFACE WATER SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 12 APRIL AND 22 APRIL 2004
SEMIVOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8270C

			SW-04	SW-04 (Dup)	SW-07
			Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC			
1,2-Dichlorobenzene	NC	NC	(<2U)	(<2U)	(<2U)
1,3-Dichlorobenzene	NC	NC	(<2U)	(<2U)	(<2U)
1,4-Dichlorobenzene	NC	NC	(<2U)	(<2U)	(<2U)

(a) SWQC Maine Statewide Water Quality Criteria compared to Criteria Maximum Concentration (CMC). If not CMC value, then it is compared to Criteria Continuous Concentration (CCC).
(b) NWQC National Recommended Water Quality Criteria Correction, EPA Office of Water, EPA 822-799-001, April 1999.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix B) for Method Detection Limits for referenced analytical methods.

TABLE B-11 SUMMARY OF LEACHATE STATION SEEP SAMPLES COLLECTED FROM SITES 1 & 3 ON 21 AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SEEP-01	SEEP-03	SEEP-05	SEEP-09	SEEP-09 (Dup)
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC					
Total VOC	NC	NC	ND	0.63	5.5	ND	ND
1,1,2,2-Tetrachloroethane	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
1,1-Dichloroethane	NC	NC	(<2U)	0.63	(<2U)	(<2U)	(<2U)
1,2-Dichlorobenzene	NC	NC	(<2U)	(<2U)	1.2	(<2U)	(<2U)
1,4-Dichlorobenzene	NC	NC	(<2U)	(<2U)	4.3	(<2U)	(<2U)
Ethylbenzene	NC	NC	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)
Trichloroethene	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Vinyl chloride	NC	NC	(<2U)	(<2U)	(<2U)	(<2U)	(<2U)
Xylenes, Total	NC	NC	(<1U)	(<1U)	(<1U)	(<1U)	(<1U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-12 SUMMARY OF LEACHATE STATION SEEP SAMPLES COLLECTED FROM SITES 1 & 3 ON 21 AND 22 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			SEEP-01	SEEP-03	SEEP-05	SEEP-09	SEEP-09 (Dup)
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC					
Aluminum	750	750	**27,300J**	**2,830J**	295J	744J	**798J**
Antimony	NC	NC	(<3U)	(<6U)	(<6U)	(<6U)	(<6U)
Arsenic	NC	NC	32.7	24.8	583	(<5U)	(<5U)
Barium	NC	NC	571	220	62.4	49.6	49.2
Beryllium	NC	NC	13.7	0.78	(<4U)	(<4U)	(<4U)
Cadmium	NC	NC	22.1	(<4U)	(<8U)	(<4U)	(<4U)
Calcium	NC	NC	216,000	95,500	52,400	8,890	9,220
Chromium	464	570	46.8	6	(<10U)	(<10U)	(<10U)
Cobalt	NC	NC	482	11.4	6.8	10.7	10.9
Copper	NC	NC	113J	7.7J	4J	2.2J	2J
Iron	1,000	1,000	**90,800**	**181,000**	**294,000**	**20,700**	**20,500**
Lead	NC	NC	229J	15.4J	3.6J	3.9J	4.8J
Magnesium	NC	NC	18,100	12,300	12,700	1,680	1,730
Manganese	NC	NC	1,980	10,500	2,180	5,130	5,270
Mercury	1.7	1.4	**3.2**	0.21	(<0.2U)	(<0.2U)	(<0.2U)
Nickel	NC	NC	499J	10.4J	7.3J	7.7J	8.2J
Potassium	NC	NC	14,600J	6,540J	3,180J	708J	716J
Selenium	NC	NC	16.2	2.9	(<5U)	(<5U)	(<5U)
Sodium	NC	NC	17,500	11,000	13,600	6,630	6,730
Vanadium	NC	NC	200J	(<10.9U)	(<50UJ)	(<4.7U)	(<4.6U)
Zinc	29.9	120	**889**	**37.3**	26.3	**46.8**	**57.4**

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix C) for Method Detection Limits for referenced analytical methods.

TABLE B-13 SUMMARY OF LEACHATE STATION SEEP SAMPLES COLLECTED FROM SITES 1 & 3 ON 21 AND 22 APRIL 2004
PESTICIDES BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8081A

			SEEP-01	SEEP-03	SEEP-05	SEEP-09	SEEP-09 (Dup)
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC					
4,4'-DDD	NC	NC	0.036J	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
4,4'-DDE	NC	NC	0.034J	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
4,4'-DDT	NC	NC	0.01R	0.01R	0.01R	0.011R	0.011R
Aldrin	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
alpha-BHC	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
alpha-Chlordane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
beta-BHC	NC	NC	(<0.01UJ)	(<0.01UJ)	(<0.01UJ)	(<0.011UJ)	(<0.011UJ)
delta-BHC	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Dieldrin	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Endosulfan I	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Endosulfan II	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Endosulfan sulfate	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Endrin	NC	NC	(<0.01UJ)	(<0.01UJ)	(<0.01UJ)	(<0.011UJ)	(<0.011UJ)
Endrin aldehyde	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Endrin ketone	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
gamma-BHC (Lindane)	NC	NC	(<0.01UJ)	0.055J	(<0.01UJ)	(<0.011UJ)	(<0.011UJ)
gamma-Chlordane	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Heptachlor	NC	NC	(<0.01UJ)	(<0.01UJ)	(<0.01UJ)	(<0.011UJ)	(<0.011UJ)
Heptachlor epoxide	NC	NC	(<0.01U)	(<0.01U)	(<0.01U)	(<0.011U)	(<0.011U)
Methoxychlor	NC	NC	0.01R	0.01R	0.01R	0.011R	0.011R
Toxaphene	NC	NC	(<0.5U)	(<0.51U)	(<0.5U)	(<0.56U)	(<0.56U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per kilogram (µg/Kg).
NC = Criteria not applicable.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
R = Rejected by data validator.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-14 SUMMARY OF LEACHATE STATION SEEP SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			SEEP-10	SEEP-10 (Dup)	SEEP-11
			Grab Sample	Grab Sample	Grab Sample
Compound/Element	SWQC	NWQC			
Total VOC	NC	NC	ND	ND	40.2
1,1,1-Trichloroethane	NC	NC	(<2U)	(<2U)	7.1
1,1-Dichloroethene	NC	NC	(<1U)	(<1U)	1.2
1,2-Dichloroethene, Total	NC	NC	(<2U)	(<2U)	9.1
Acetone	NC	NC	(<5U)	(<5U)	6.4
cis-1,2-Dichloroethene	NC	NC	(<2U)	(<2U)	9.1
Tetrachloroethene	NC	NC	(<2U)	(<2U)	11.9
Trichloroethene	NC	NC	(<2U)	(<2U)	10.9

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-15 SUMMARY OF LEACHATE STATION SEDIMENT SAMPLES COLLECTED FROM SITES 1 & 3 ON 21 AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			LT-01	LT-03	LT-04	LT-05	LT-09	LT-09 (Dup)
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element								
Total VOC	NC	NC	22.11	7.7	109.4	2,375.8	ND	ND
1,1,2,2-Tetrachloroethane	NC	NC	(<2.1U)	1.4	(<14UJ)	(<19UJ)	(<2.7U)	(<2.9U)
1,2-Dichlorobenzene	NC	NC	(<2.1U)	(<3.4U)	(<14UJ)	380J	(<2.7U)	(<2.9U)
1,4-Dichlorobenzene	NC	NC	(<2.1U)	(<3.4U)	13.6J	650J	(<2.7U)	(<2.9U)
2-Butanone	NC	NC	(<7.1U)	(<16U)	74.9J	88.9J	(<23.4U)	(<23.3U)
Acetone	NC	NC	(<91.5U)	357	1,510J	1,390J	424	336
Carbon disulfide	NC	NC	18.8	6.3	7.5J	1,240J	(<2.5U)	(<2.8U)
Chlorobenzene	NC	NC	(<2.1U)	(<3.4U)	(<14UJ)	16.9J	(<2.7U)	(<2.9U)
Tetrachloroethene	NC	NC	1.4	(<3.4U)	(<14UJ)	(<19UJ)	(<2.7U)	(<2.9U)
Toluene	NC	NC	0.71	(<3.4U)	13.4J	(<19UJ)	(<2.7U)	(<2.9U)
Trichloroethene	NC	NC	1.2	(<3.4U)	(<14UJ)	(<19UJ)	(<2.7U)	(<2.9U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per kilogram (µg/Kg).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
J = Estimated concentration.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix C) for Method Detection Limits for referenced analytical methods.

TABLE B-16 SUMMARY OF LEACHATE STATION SEDIMENT SAMPLES COLLECTED FROM SITES 1 & 3 ON 21 AND 22 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			LT-01	LT-03	LT-04	LT-05	LT-09	LT-09 (Dup)
			Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample
Compound/Element								
Aluminum	NC	NC	3,820J	2,800J	4,440J	8,840J	3,720J	4,710J
Antimony	NC	NC	(<0.77UJ)	(<1.1UJ)	1.1J	(<1.9UJ)	0.18J	0.32J
Arsenic	NC	NC	1.2	15.2	101J	970J	7.3	7.5
Barium	NC	NC	14.9	59.9	34.7J	53.1J	33.5	36.5J
Beryllium	NC	NC	0.52J	0.69J	0.92J	1.3J	0.54J	0.6J
Cadmium	NC	NC	0.16J	(<0.75UJ)	0.61J	(<1.3UJ)	(<0.51UJ)	(<0.57UJ)
Calcium	NC	NC	1,380	4,970	19,100J	11,400J	751	740
Chromium	NC	NC	7.3	8.6	10.6J	18.9J	7.8	9.2J
Cobalt	NC	NC	14.2	4.8	37.5J	76.9J	3.8	4.6
Copper	NC	NC	5.4J	4.9J	15.9J	17.8J	5.8J	6.9J
Iron	NC	NC	5,750	81,400	33,700J	198,000J	13,400	15,000J
Lead	NC	NC	6.5	12.6	82.2J	60.2J	11.7	13.3
Magnesium	NC	NC	1,560J	1,050J	943J	3,090J	1,210J	1,630J
Manganese	NC	NC	72.8J	3,130J	41.1J	1,310J	380J	294J
Mercury	NC	NC	0.5	0.34	2.7	0.21	0.038	(<0.045U)
Nickel	NC	NC	17.1	7.5	76.1J	41.9J	8.3	10.6
Potassium	NC	NC	759	316	447J	684J	563	653
Selenium	NC	NC	(<0.64UJ)	2.6J	3.3J	4.1J	0.5J	(<0.71UJ)
Sodium	NC	NC	29.7J	90.4J	79.4J	287J	30.4J	37.5J
Thallium	NC	NC	(<1.3UJ)	(<1.9UJ)	(<2.8UJ)	(<3.2UJ)	0.63J	(<1.4UJ)
Vanadium	NC	NC	11.8	9.2	40J	35.7J	10.9	14
Zinc	NC	NC	26.1	15.4	19.5J	46.6J	39.2	49.8J

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are milligrams per kilogram (mg/Kg).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.
Refer to data Quality Review section (Appendix C) for Method Detection Limits for referenced analytical methods.

TABLE B-19 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			SED-11	SED-11 (Dup)
			Grab Sample	Grab Sample
Compound/Element				
Aluminum	NC	NC	5,600	6,430
Arsenic	NC	NC	8.3J	10.3J
Barium	NC	NC	37.5	44.8
Beryllium	NC	NC	0.65J	0.74
Cadmium	NC	NC	0.19J	0.35J
Calcium	NC	NC	755J	1,110J
Chromium	NC	NC	9.9	11.5
Cobalt	NC	NC	4.3J	6.4J
Copper	NC	NC	7	8.7
Iron	NC	NC	20,700	25,300
Lead	NC	NC	17.8J	25.4J
Magnesium	NC	NC	1,790	2,050
Manganese	NC	NC	279J	509J
Mercury	NC	NC	0.043	0.037
Nickel	NC	NC	8.7	10.4
Potassium	NC	NC	597J	650J
Selenium	NC	NC	0.9J	1.4J
Sodium	NC	NC	38.8J	57.7J
Vanadium	NC	NC	16.3	19.6
Zinc	NC	NC	43.4	58.2

(a) SWQC Maine Statewide Water Quality Criteria compared to Criteria Maximum Concentration (CMC). If not CMC value, then it is compared to Criteria Continuous Concentration (CCC).
(b) NWQC National Recommended Water Quality Criteria Correction, EPA Office of Water, EPA 822-799-001, April 1999.

NOTE:
Units are milligrams per kilogram (mg/Kg).
NC = Criteria not applicable.
U = Not detected. Sample quantitation limits are shown as (<___U).
B* = Analyte concentration is between the Instrument Detection Limit and the Contract Required Detection Limit.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE B-20 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
PESTICIDES BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8081A

			SED-11	SED-11 (Dup)
			Grab Sample	Grab Sample
Compound/Element				
4,4'-DDD	NC	NC	12J	8.9J
4,4'-DDE	NC	NC	(<12U)	(<13U)
4,4'-DDT	NC	NC	8.8J	4.3J
Aldrin	NC	NC	(<12U)	(<13U)
alpha-BHC	NC	NC	(<12U)	(<13U)
alpha-Chlordane	NC	NC	(<12U)	(<13U)
beta-BHC	NC	NC	(<12U)	(<13U)
Chlordane	NC	NC	(<120U)	(<130U)
delta-BHC	NC	NC	(<12UJ)	(<13UJ)
Dieldrin	NC	NC	(<12U)	(<13U)
Endosulfan I	NC	NC	(<12U)	(<13U)
Endosulfan II	NC	NC	(<12U)	(<13U)
Endosulfan sulfate	NC	NC	(<12U)	(<13U)
Endrin	NC	NC	(<12U)	(<13U)
Endrin aldehyde	NC	NC	(<12U)	(<13U)
Endrin ketone	NC	NC	(<12U)	(<13U)
Final Volume	NC	NC	---	---
gamma-BHC (Lindane)	NC	NC	(<12U)	(<13U)
gamma-Chlordane	NC	NC	(<12U)	(<13U)
Heptachlor	NC	NC	(<12UJ)	(<13UJ)
Heptachlor epoxide	NC	NC	(<12U)	(<13U)
Initial Weight	NC	NC	---	---
Methoxychlor	NC	NC	(<12UJ)	(<13UJ)
Quant Factor	NC	NC	---	---
Toxaphene	NC	NC	(<590U)	(<630U)

TABLE B-20 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
PESTICIDES BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8081A

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per kilogram (µg/Kg).
NC = Criteria not applicable.
Total VOC calculation does not include common laboratory contaminants (Acetone or Methylene Chloride) or VOCs detected in the Trip Blank or Method Blank.
U = Not detected. Sample quantitation limits are shown as (<___U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE B-21 SUMMARY OF SEDIMENT SAMPLES COLLECTED FROM THE EASTERN PLUME ON 8 APRIL 2004
TOTAL ORGANIC CARBON BY METHOD LLOYD KAHN

			SED-11	SED-11 (Dup)
			Grab Sample	Grab Sample
Compound/Element				
Total Organic Carbon	NC	NC	22,700	21,600

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are milligrams per kilogram (mg/Kg).
NC = Criteria not applicable.
(Dup) = Duplicate sample.
Only those analytes detected in at least one of the samples are shown on this table.

TABLE B-22 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM SITES 1 & 3 BETWEEN 19 APRIL AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			QT-01	QT-02	QT-03
			Trip Blank	Trip Blank	Trip Blank
Compound/Element					
Total VOC	NC	NC	ND	1.3	ND
Acetone	NC	NC	8	(<9U)	(<17.8U)
Carbon disulfide	NC	NC	(<5U)	1.3	(<5U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
ND = Not detected.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-23 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
VOLATILE ORGANIC COMPOUNDS BY U.S. ENVIRONMENTAL PROTECTION AGENCY METHOD 8260B

			QS-01	QT-01	QT-02	QT-03	QT-04	QT-05	QT-06	QT-07
			Rinsate Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Compound/Element										
Total VOC	NC	NC	ND		ND		ND	0.56	ND	ND
1,4-Dioxane	NC	NC		(<1U)		1.5				
Acetone	NC	NC	(<5U)		(<5U)		8.3	(<5U)	8.4J	(<5U)
Chloroform	NC	NC	(<2U)		(<2U)		(<2U)	0.56J	(<2U)	(<2U)

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
Total VOC calculation does not include common laboratory contaminants (Acetone, Methylene Chloride, or 2-Butanone) or VOCs detected in the Field Blank.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

TABLE B-24 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
NATURAL ATTENUATION PARAMETERS (mg/L)

			QS-01
			Rinsate Blank
Compound/Element			
Alkalinity, Total as CaCO3	NC	NC	(<5U)
Chloride	NC	NC	1
Ethane	NC	NC	(<0.01U)
Ethene	NC	NC	(<0.01U)
Iron, Ferrous	NC	NC	(<0.1U)
Methane	NC	NC	(<0.01UJ)
Nitrogen, Nitrate	NC	NC	(<0.11U)
Nitrogen, Nitrate + Nitrite	NC	NC	(<0.1U)
Nitrogen, Nitrite	NC	NC	0.1
Sulfate	NC	NC	(<5U)
Total Organic Carbon	NC	NC	8

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998).

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and chemicals of concern listed in the Final Long-Term Monitoring Plan (EA 1999b), are shown on this table.

TABLE B-25 SUMMARY OF QUALITY CONTROL SAMPLES COLLECTED FROM THE EASTERN PLUME BETWEEN 13 APRIL AND 22 APRIL 2004
TARGET ANALYTE LIST METALS BY U.S. ENVIRONMENTAL PROTECTION AGENCY 6000/7000 SERIES METHODS

			QS-01
			Rinsate Blank
Compound/Element			
Aluminum	NC	NC	40.2J
Iron	NC	NC	(<18.2U)
Sodium	NC	NC	327J
Zinc	NC	NC	21

(a) MEG (Maximum Exposure Guideline) obtained from State of Maine Department of Human Services Maximum Exposure Guidelines, memorandum dated 23 October 1992. Dashes (---) indicate compound has no applicable MEG.
(b) MCL (Maximum Contaminant Level) obtained from 40 CFR Parts 141 and 142 (U.S. EPA 1998). Dashes (---) indicate compound has no applicable MCL.

NOTE:
Units are micrograms per liter (µg/L).
NC = Criteria not applicable.
U = Not detected at or above the sample quantitation limit. Shown as (<____U).
J = Estimated concentration.
Only those analytes detected in at least one of the samples, and contaminants of concern listed in the Final Long-Term Monitoring Plan (EA 2000a), are shown on this table.

APPENDIX C
Temporal Trend Graphs

Appendix C.1

Inorganics and Volatile Organic Compound Groundwater Concentrations above State Maximum Exposure Guidelines/ Federal Maximum Contaminant Levels Sites 1 and 3

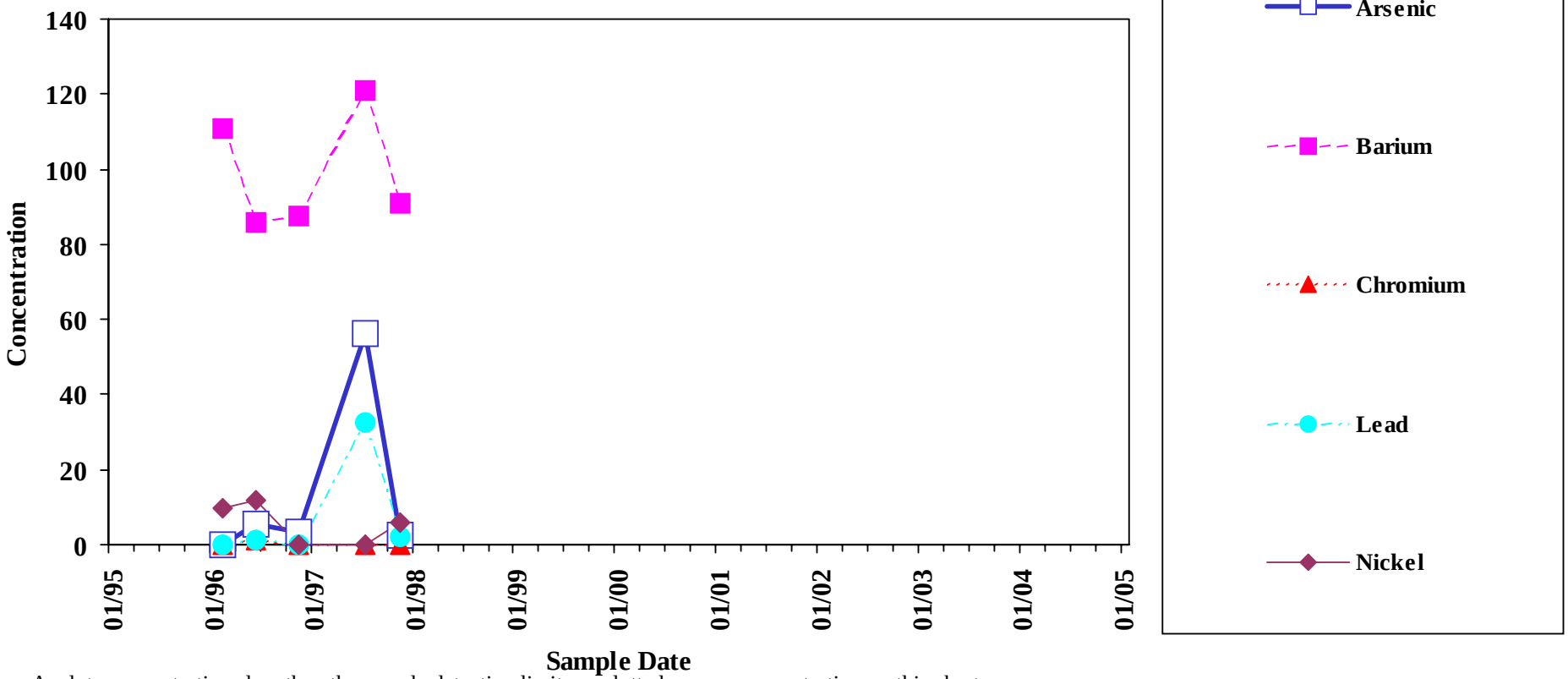
Sample Location:

EW-06

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

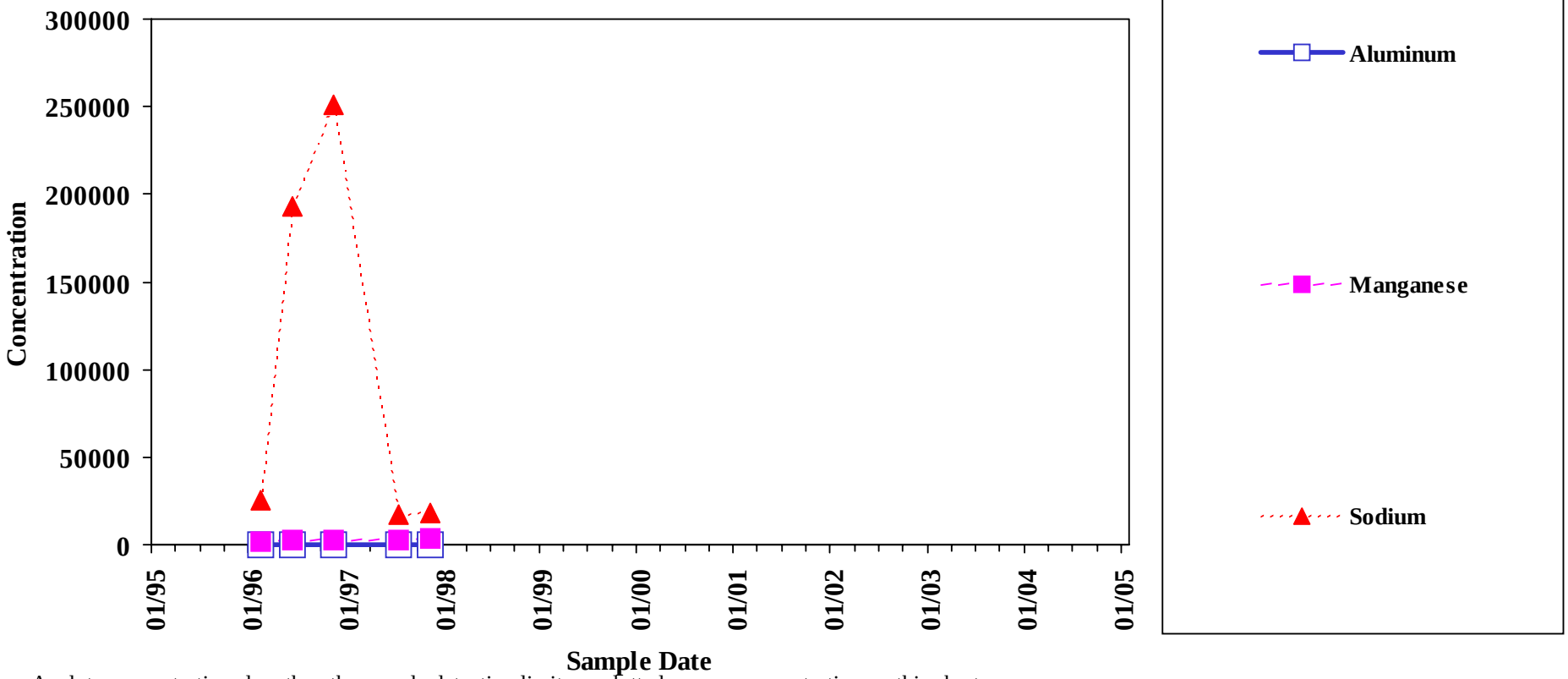
Sample Location:

EW-06

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

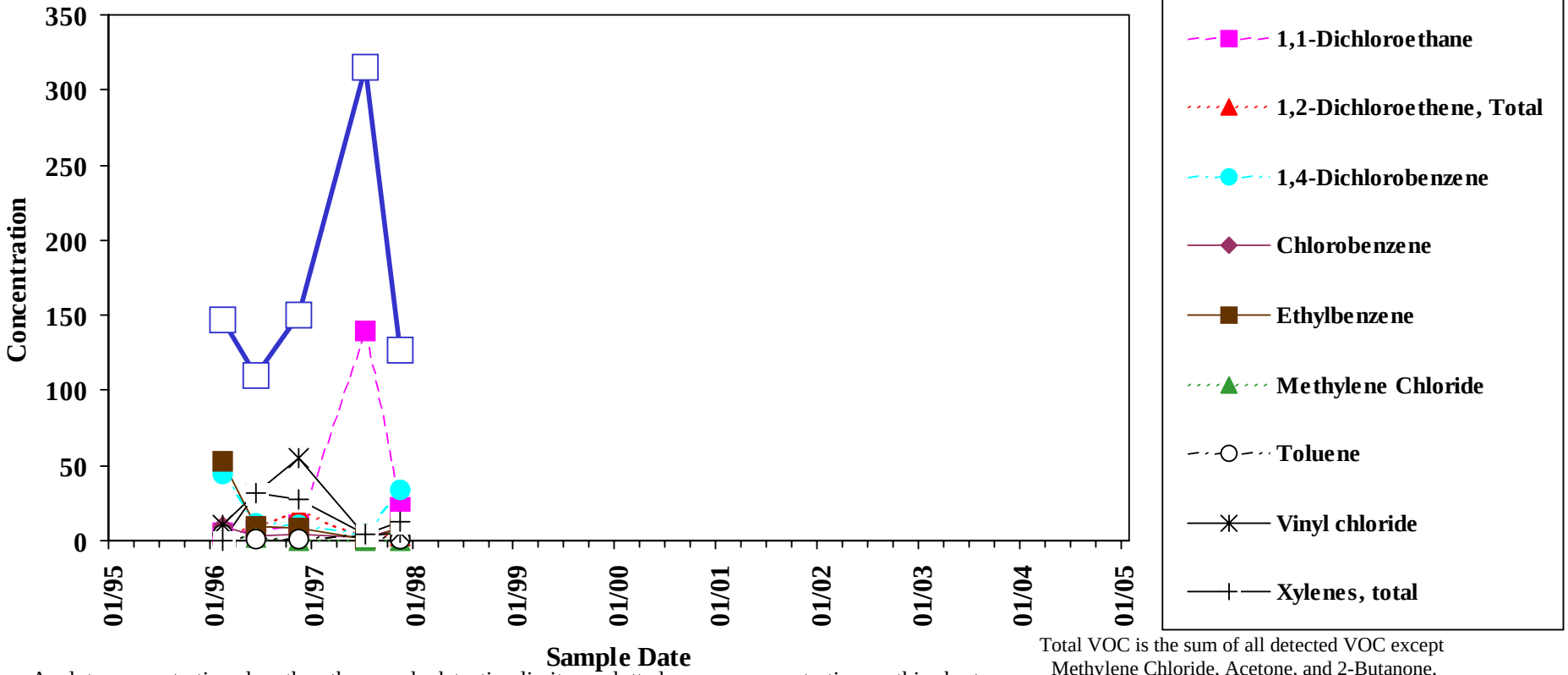
Sample Location:

EW-06

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

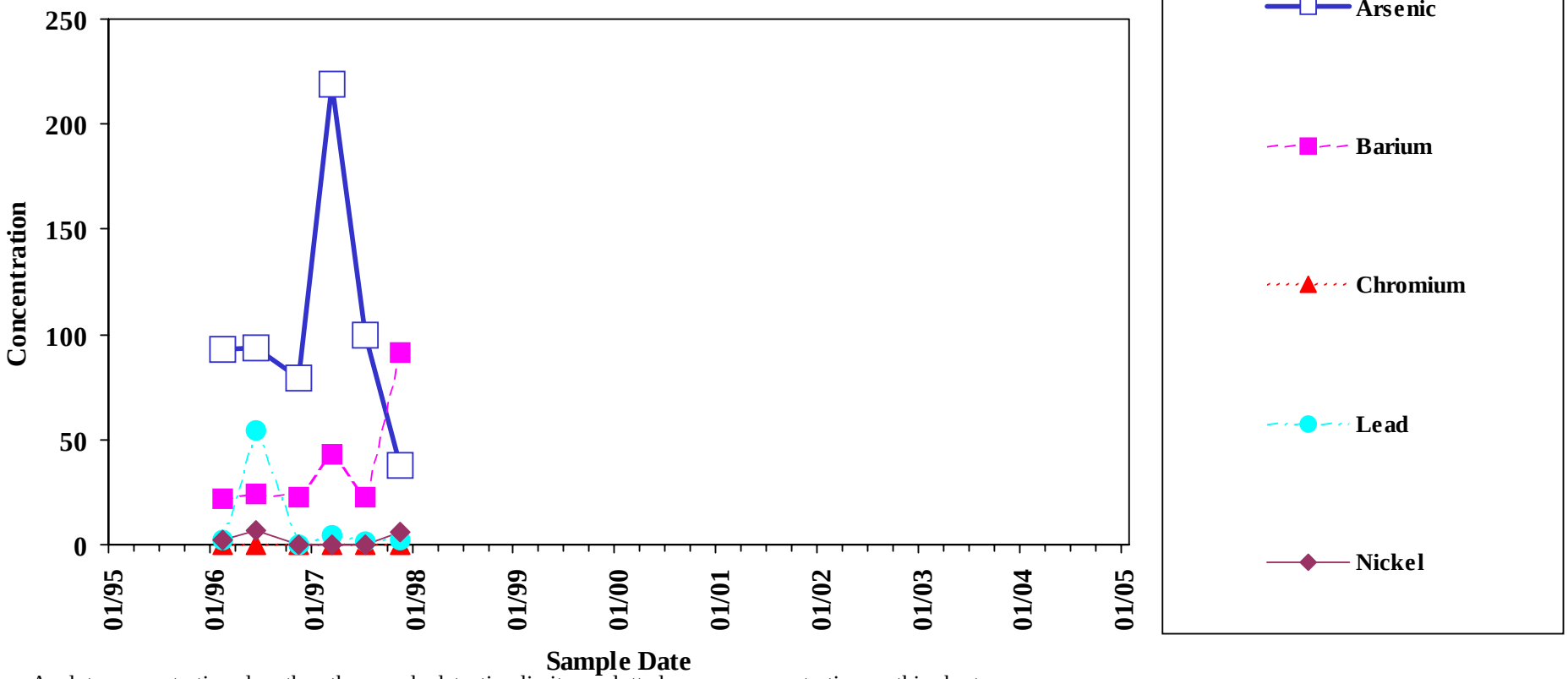
Sample Location:

EW-07

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

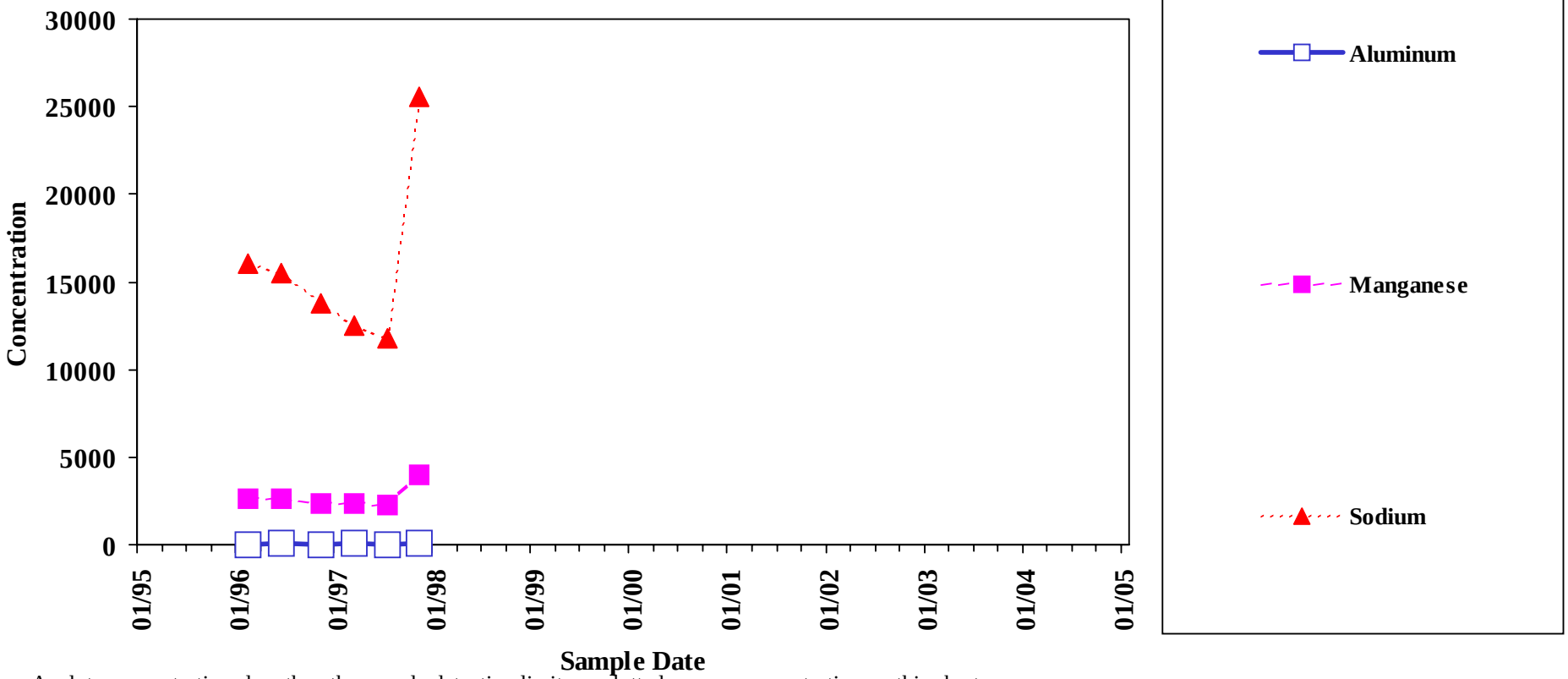
Sample Location:

EW-07

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

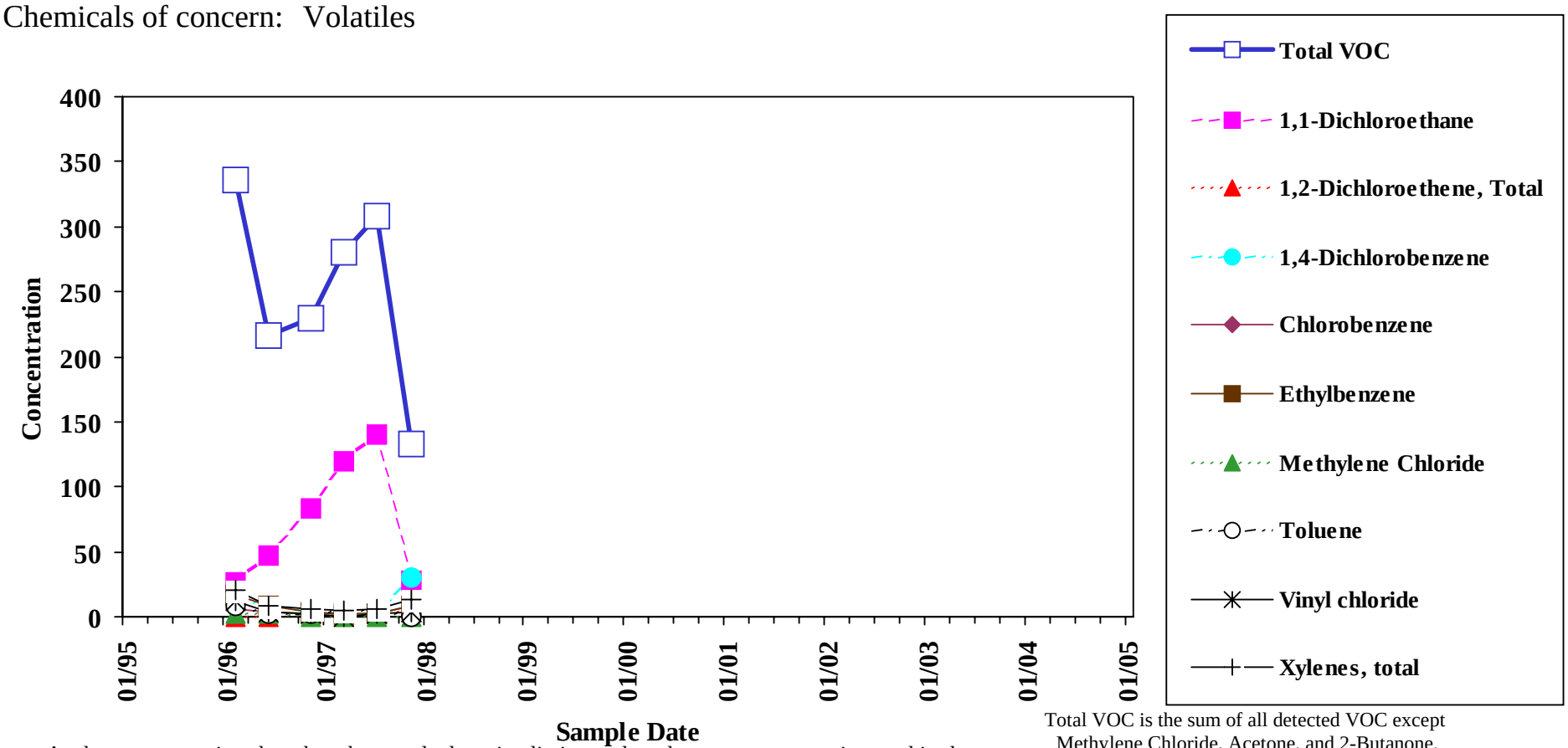
Sample Location:

EW-07

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

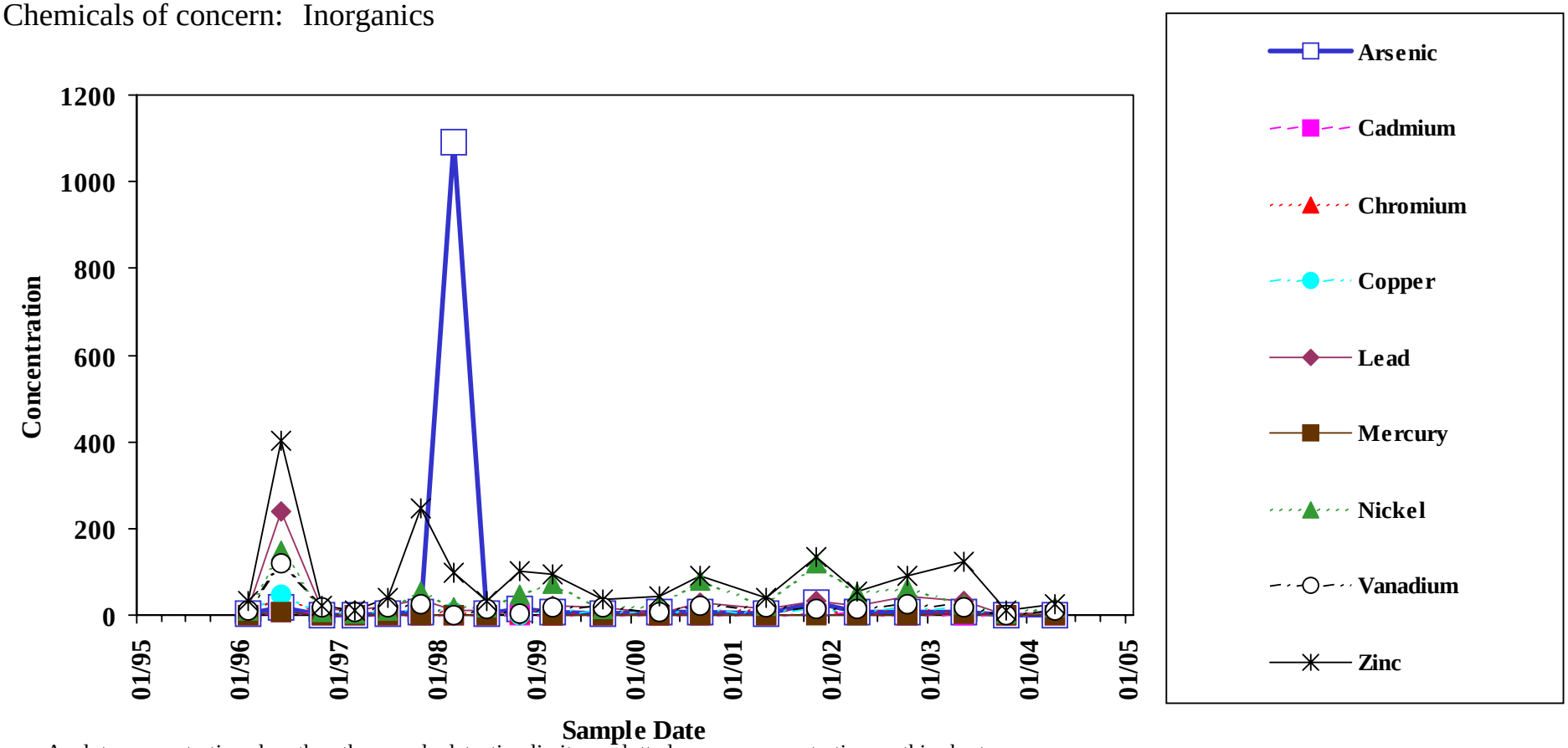
Xylenes, total	
MEG:	600
MCL:	10000

Sample Location:

LT-01

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

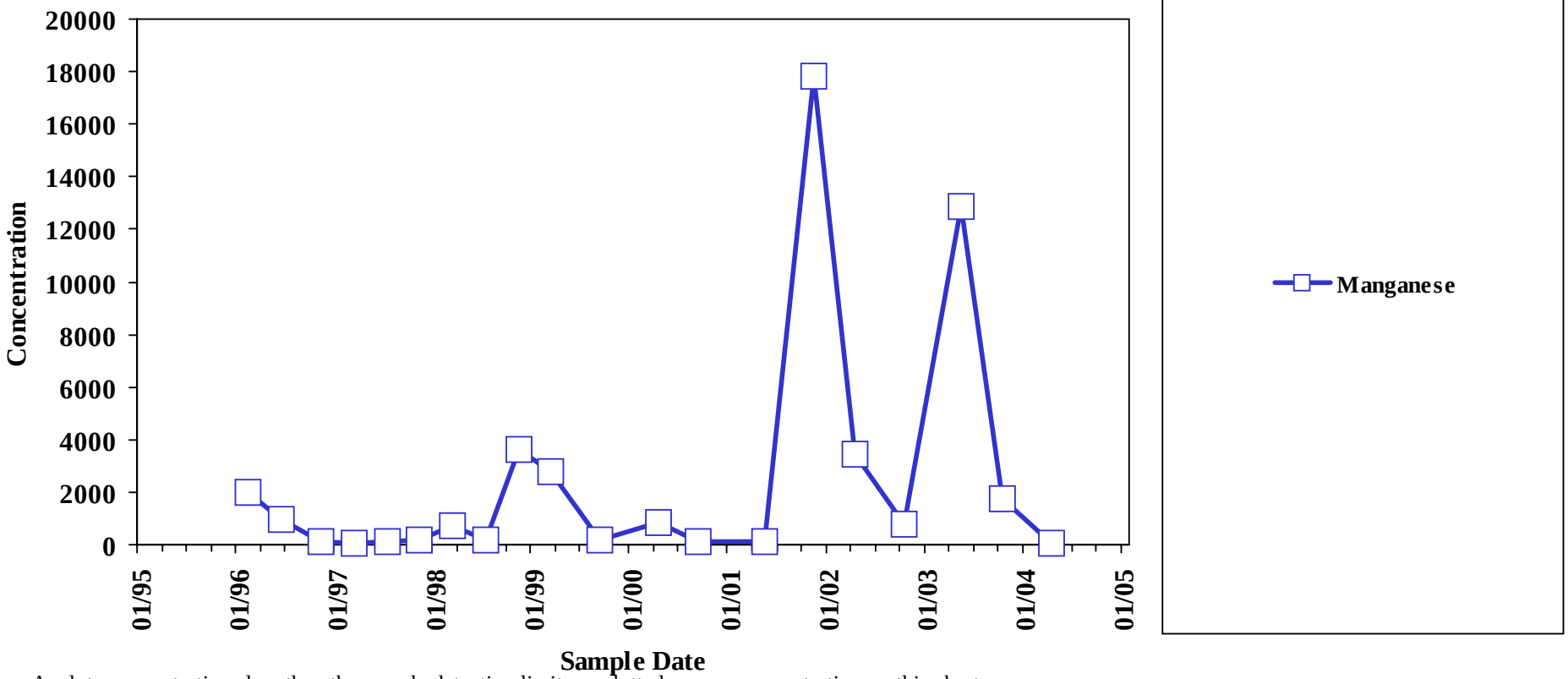
Sample concentration units: mg/Kg

Sample Location:

LT-01

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

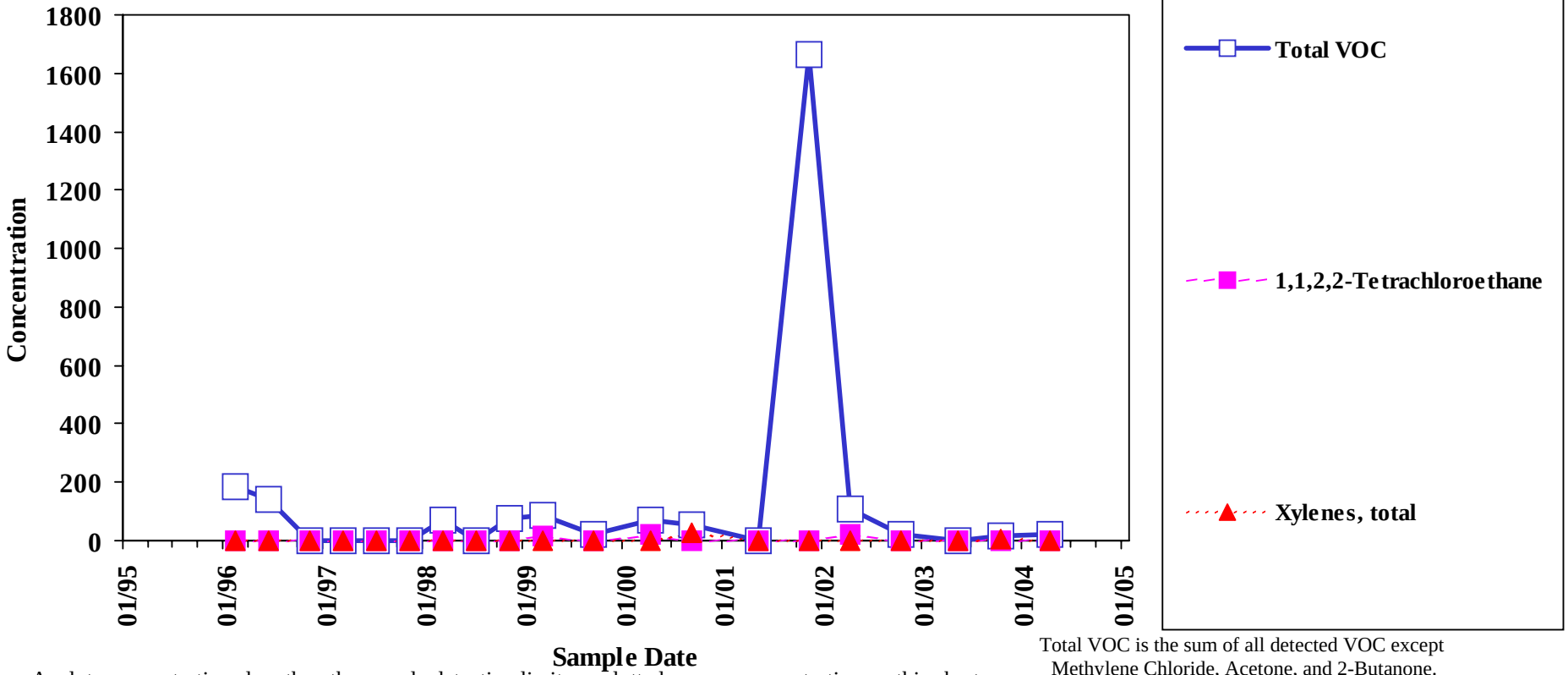
Sample concentration units: mg/Kg

Sample Location:

LT-01

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/Kg

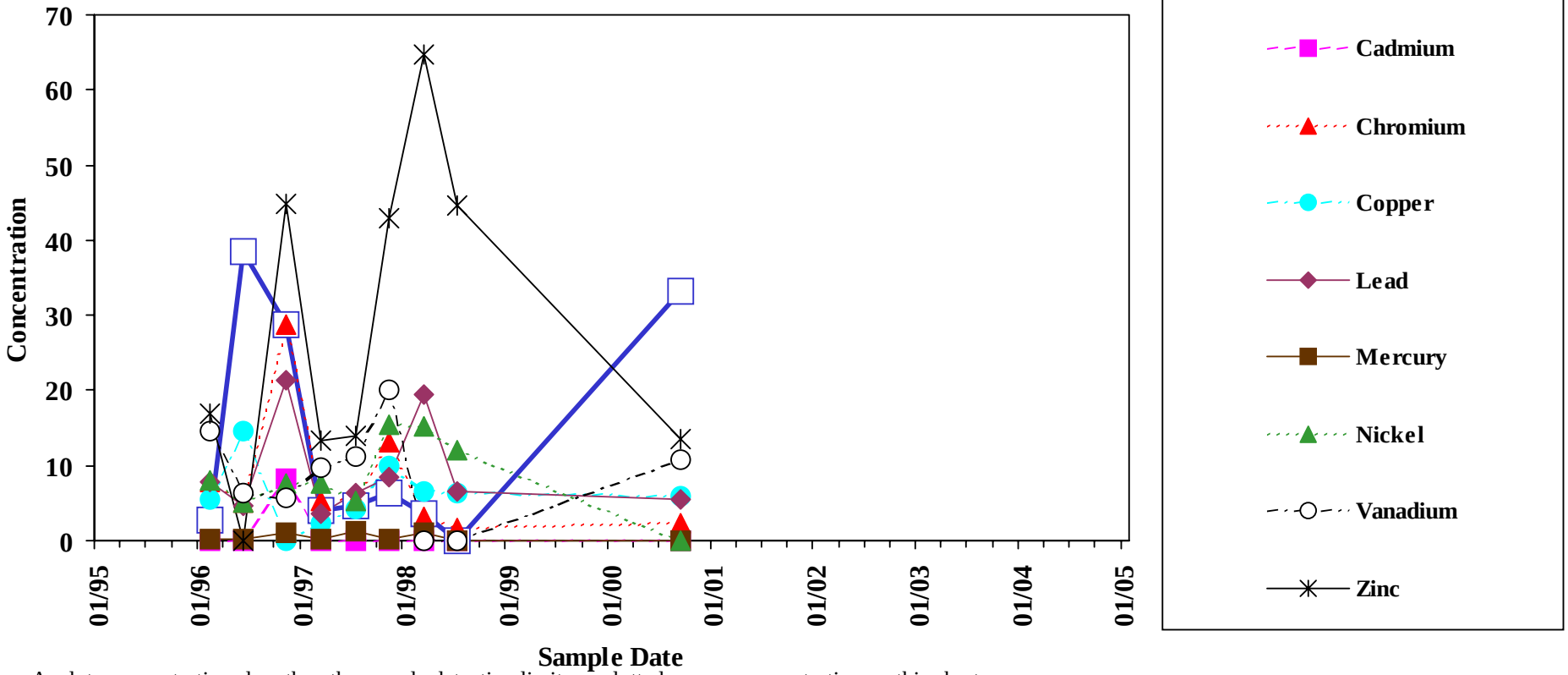
Sample Location:

LT-02

Sites 1 & 3

Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

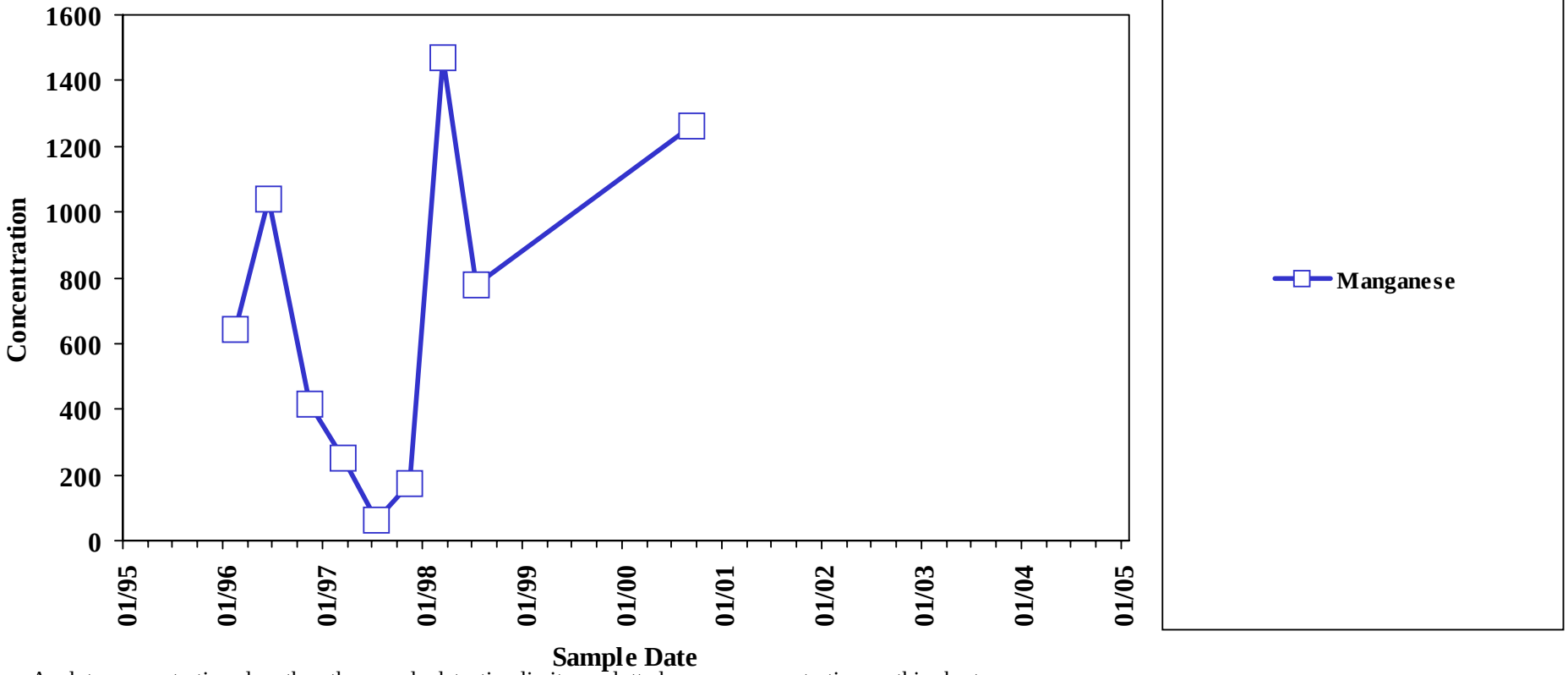
Sample concentration units: mg/Kg

Sample Location:

LT-02

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

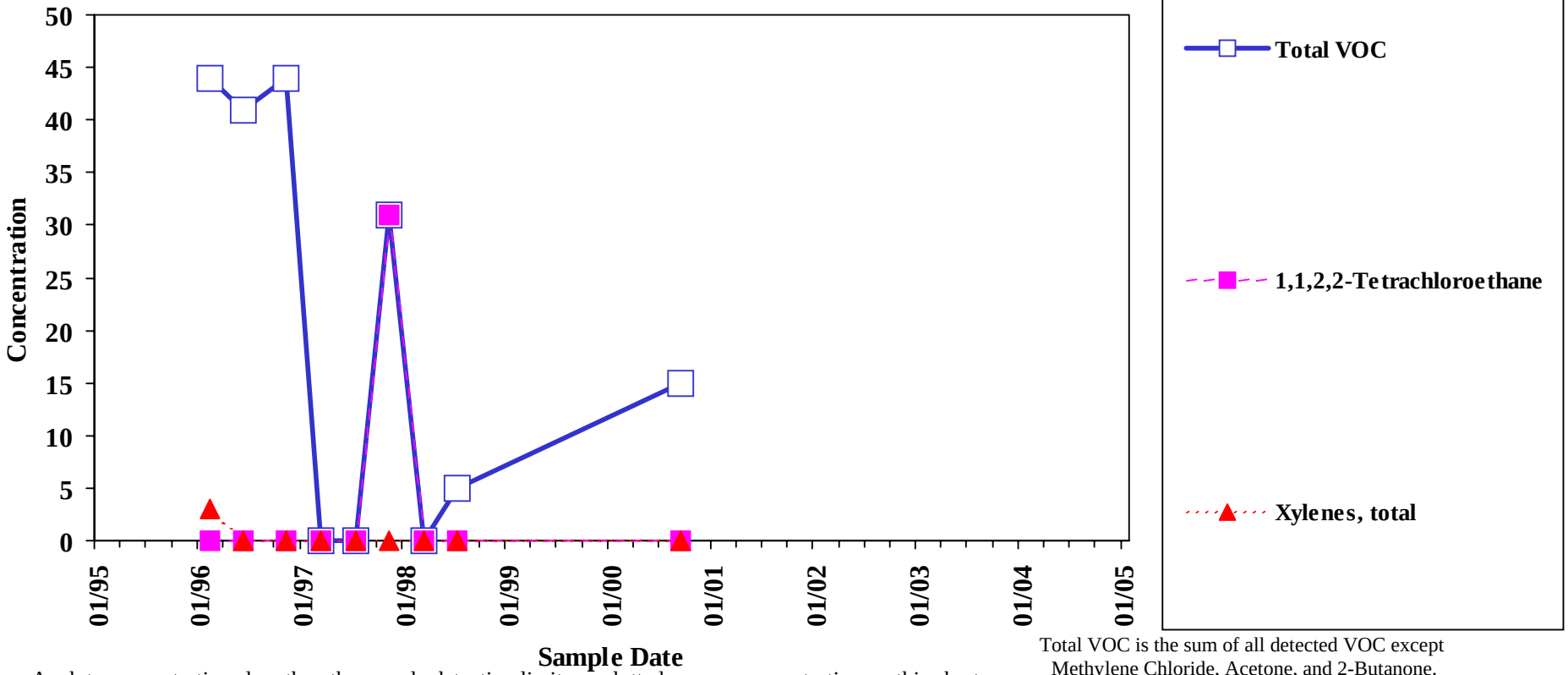
Sample concentration units: mg/Kg

Sample Location:

LT-02

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/Kg

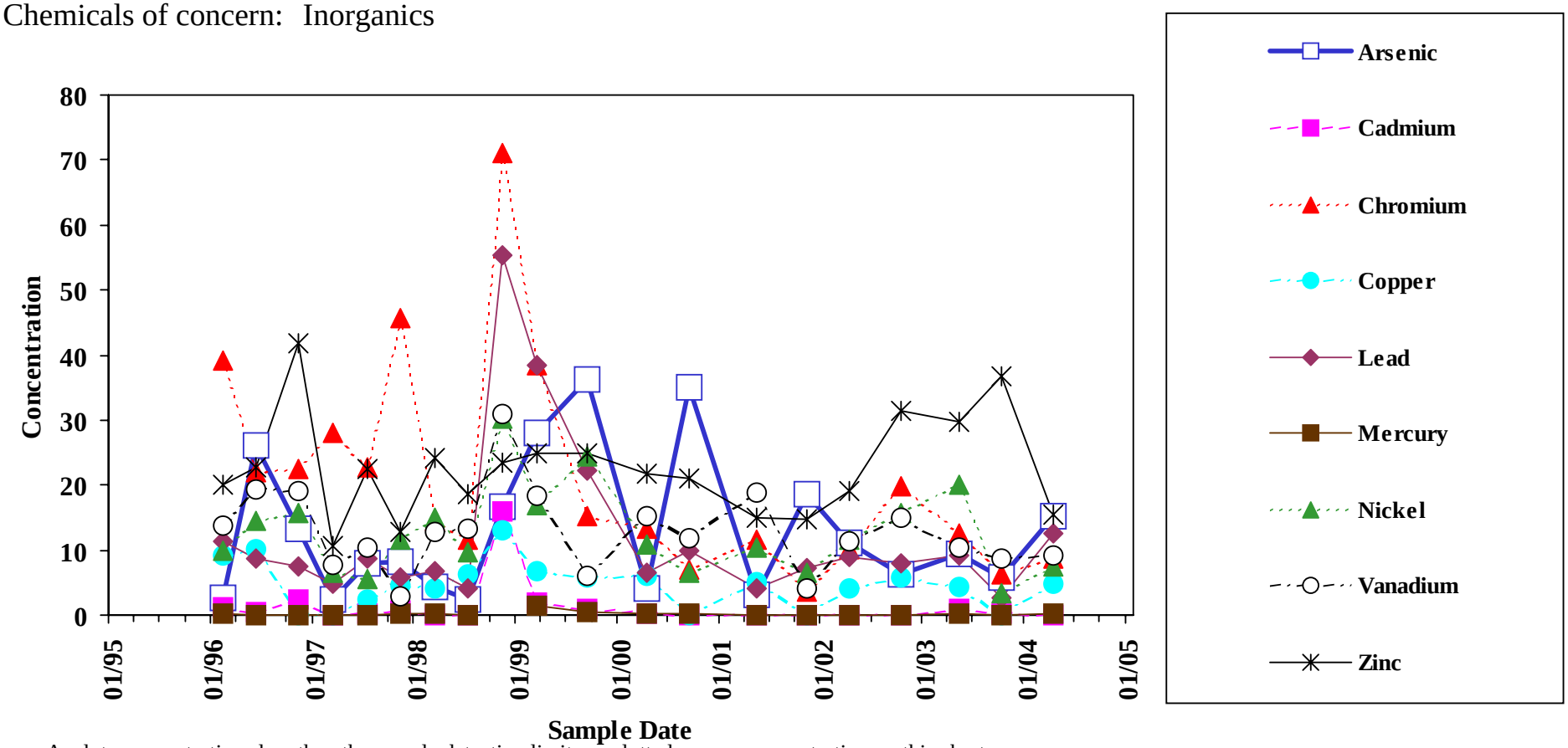
Sample Location:

LT-03

Sites 1 & 3

Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

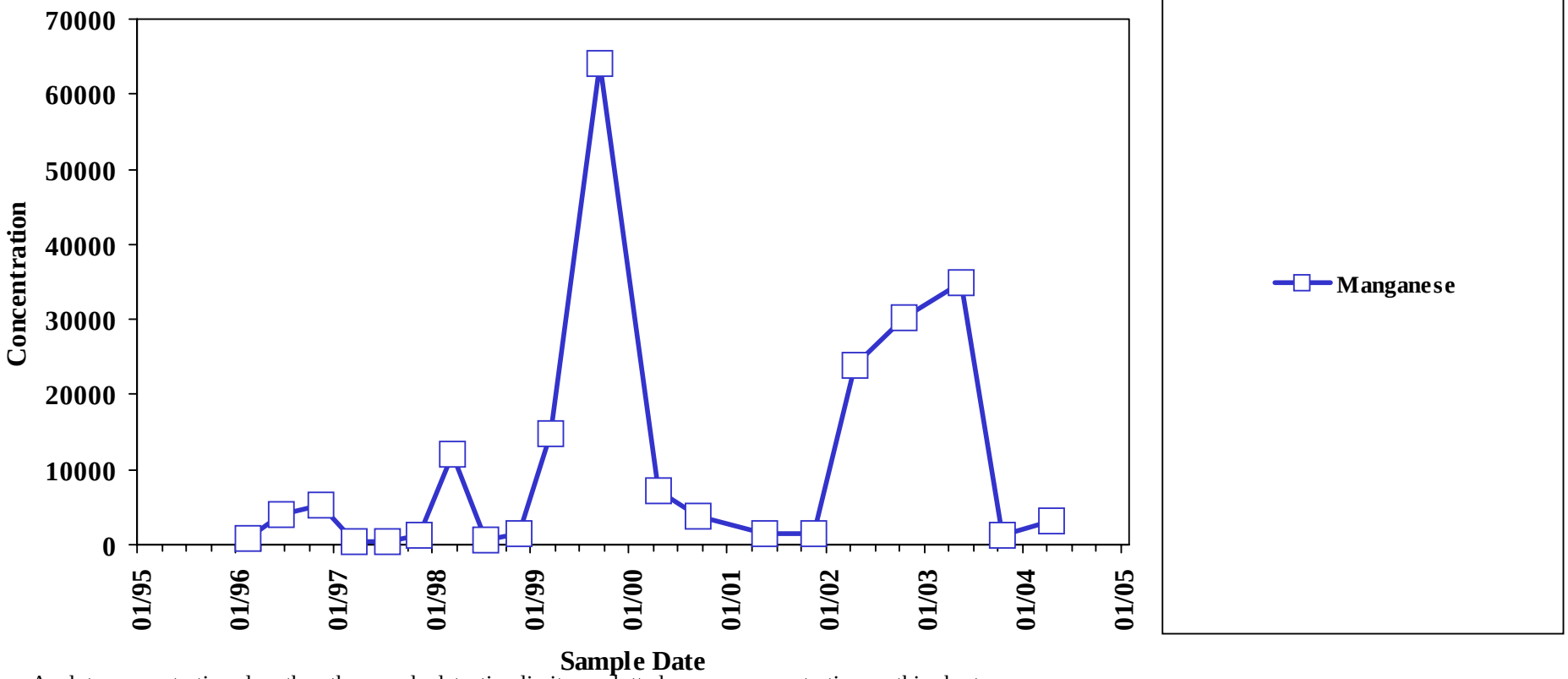
Sample concentration units: mg/Kg

Sample Location:

LT-03

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

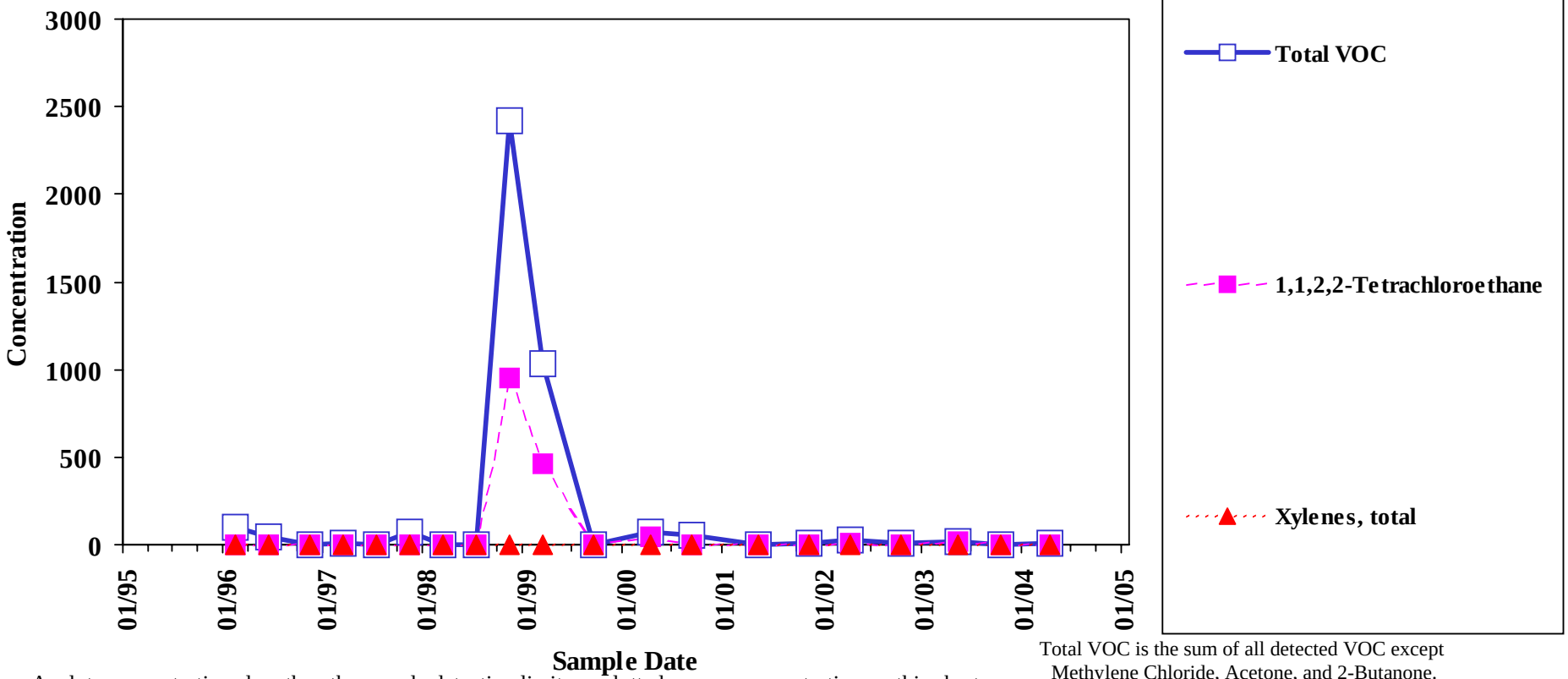
Sample concentration units: mg/Kg

Sample Location:

LT-03

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

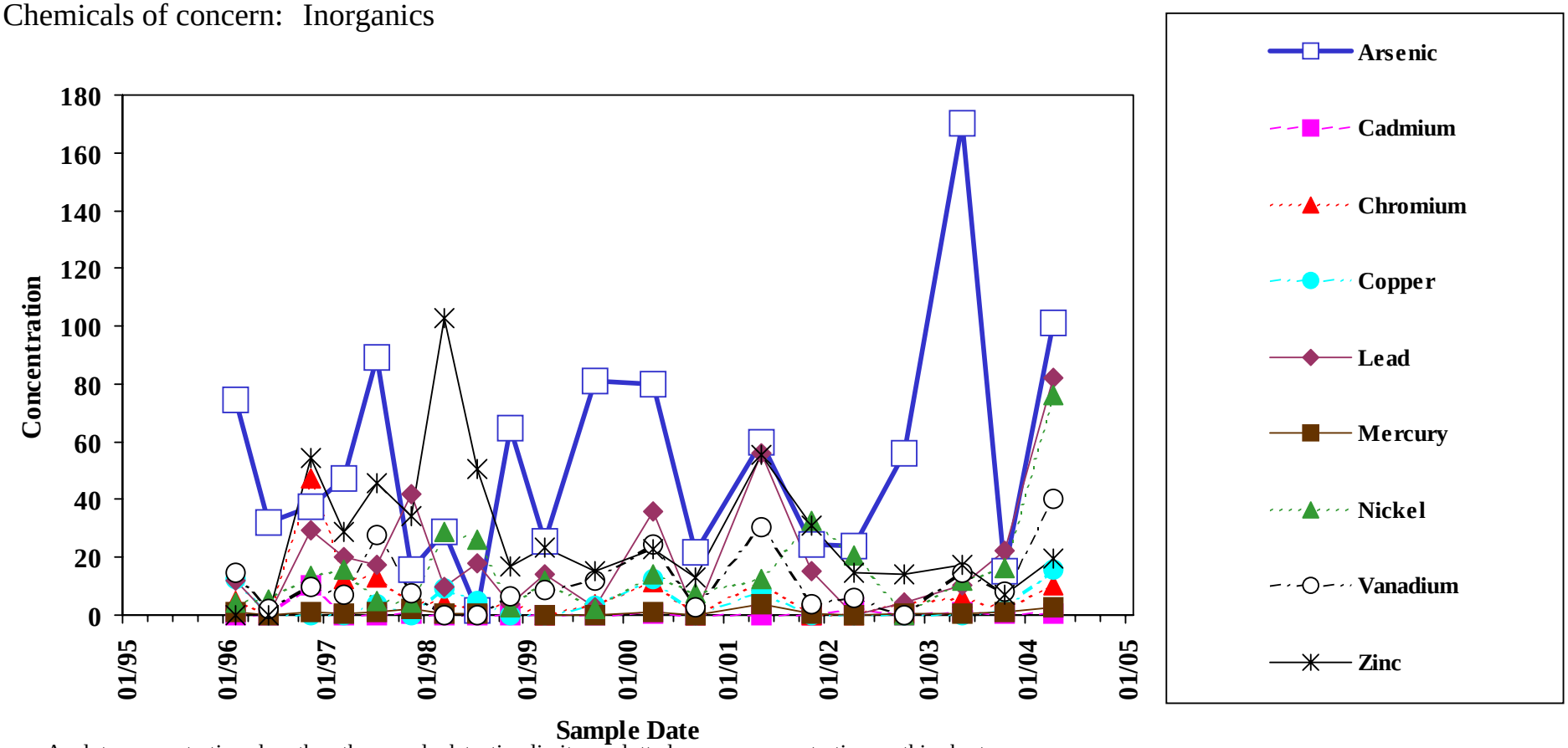
Sample concentration units: µg/Kg

Sample Location:

LT-04

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

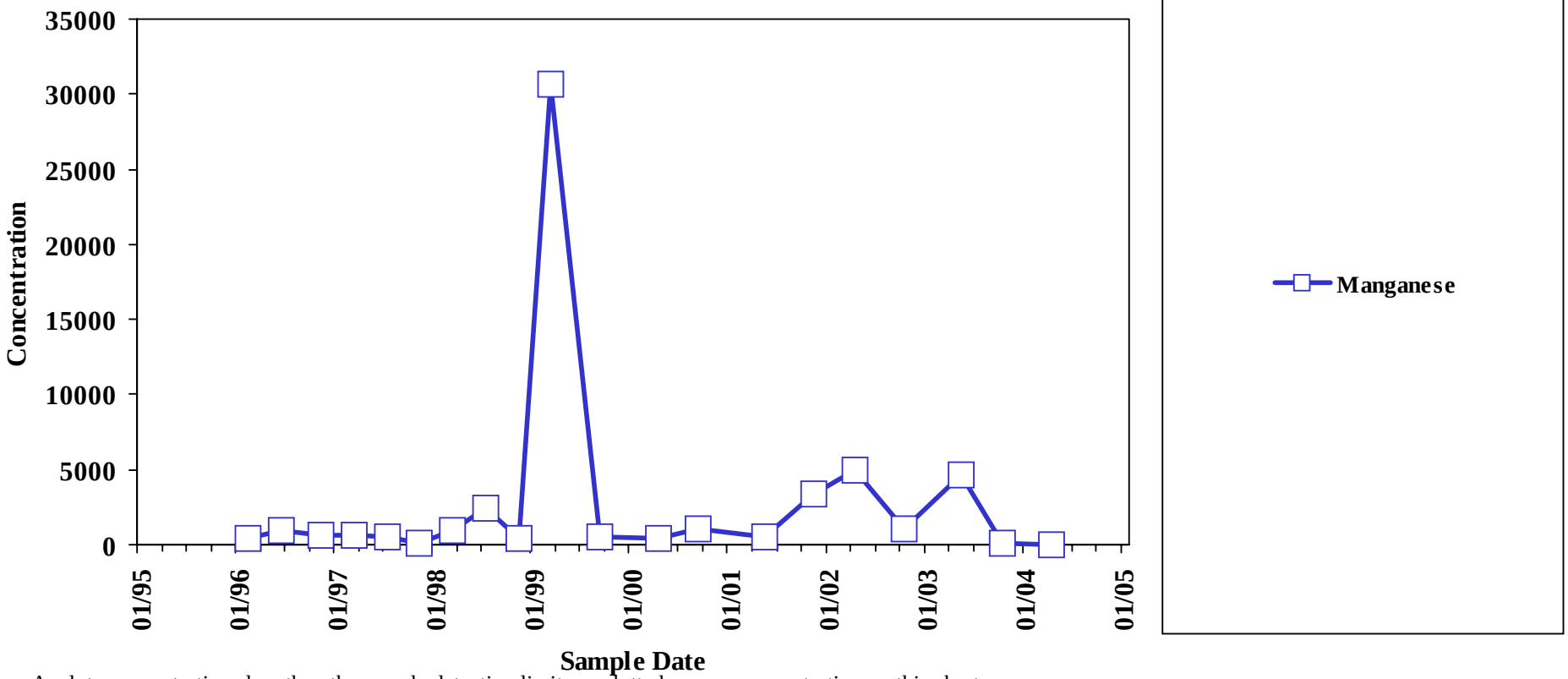
Sample concentration units: mg/Kg

Sample Location:

LT-04

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

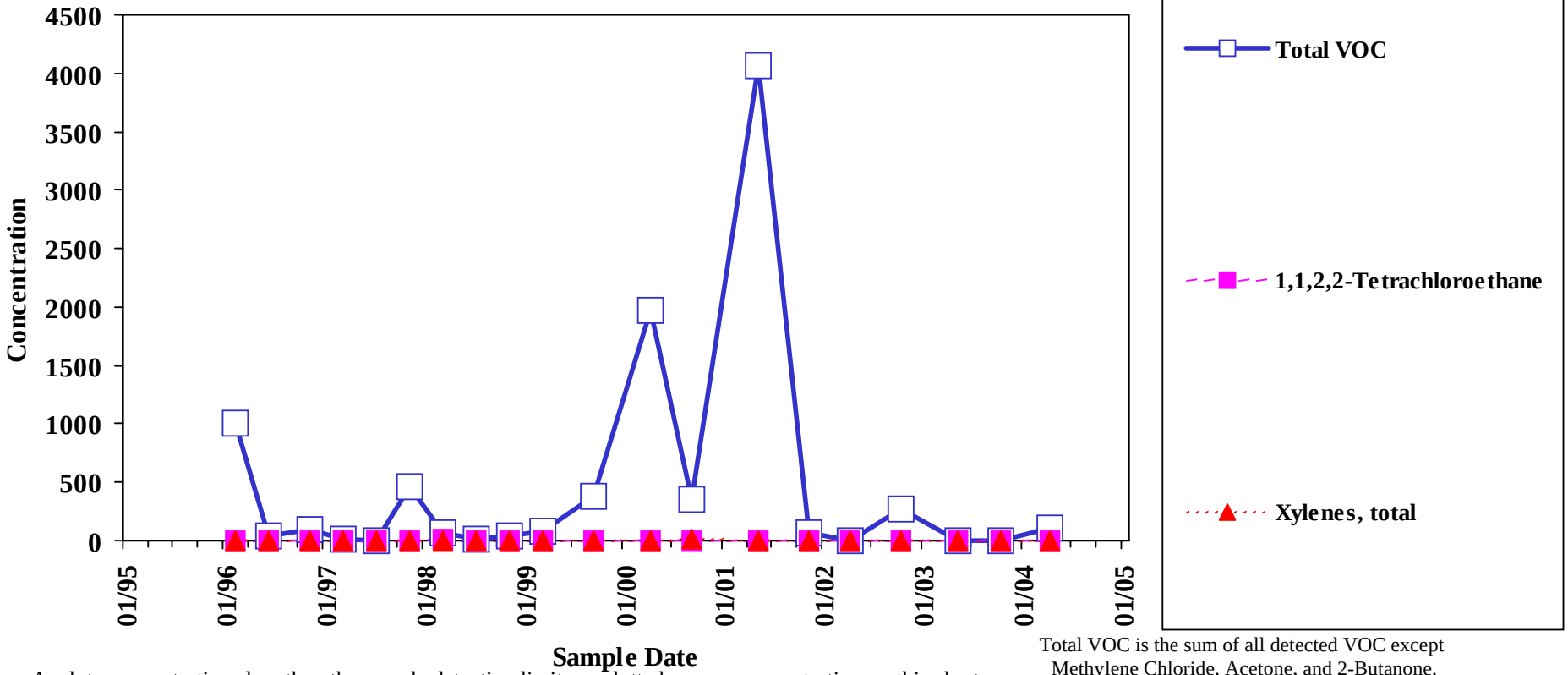
Sample concentration units: mg/Kg

Sample Location:

LT-04

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

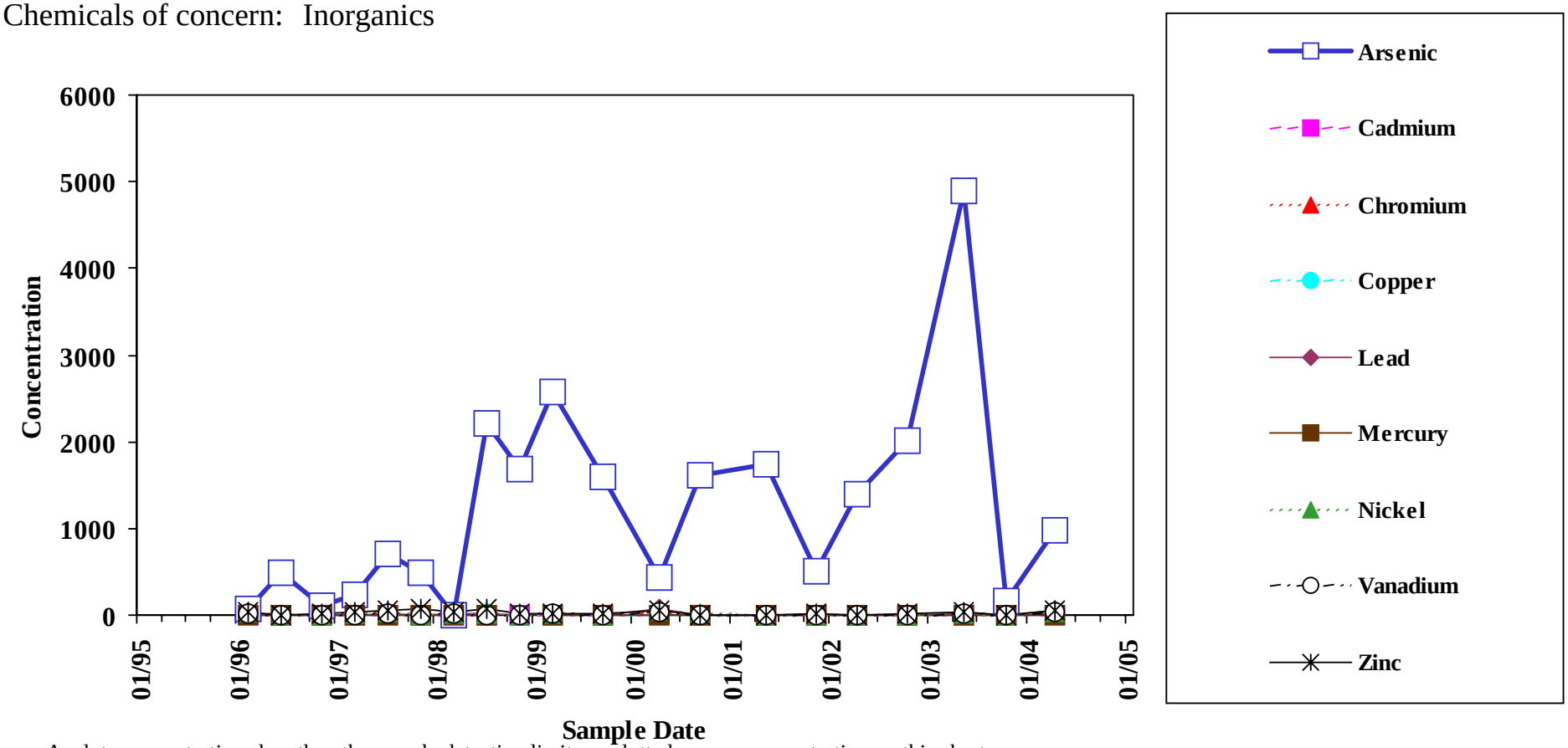
Sample concentration units: µg/Kg

Sample Location:

LT-05

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

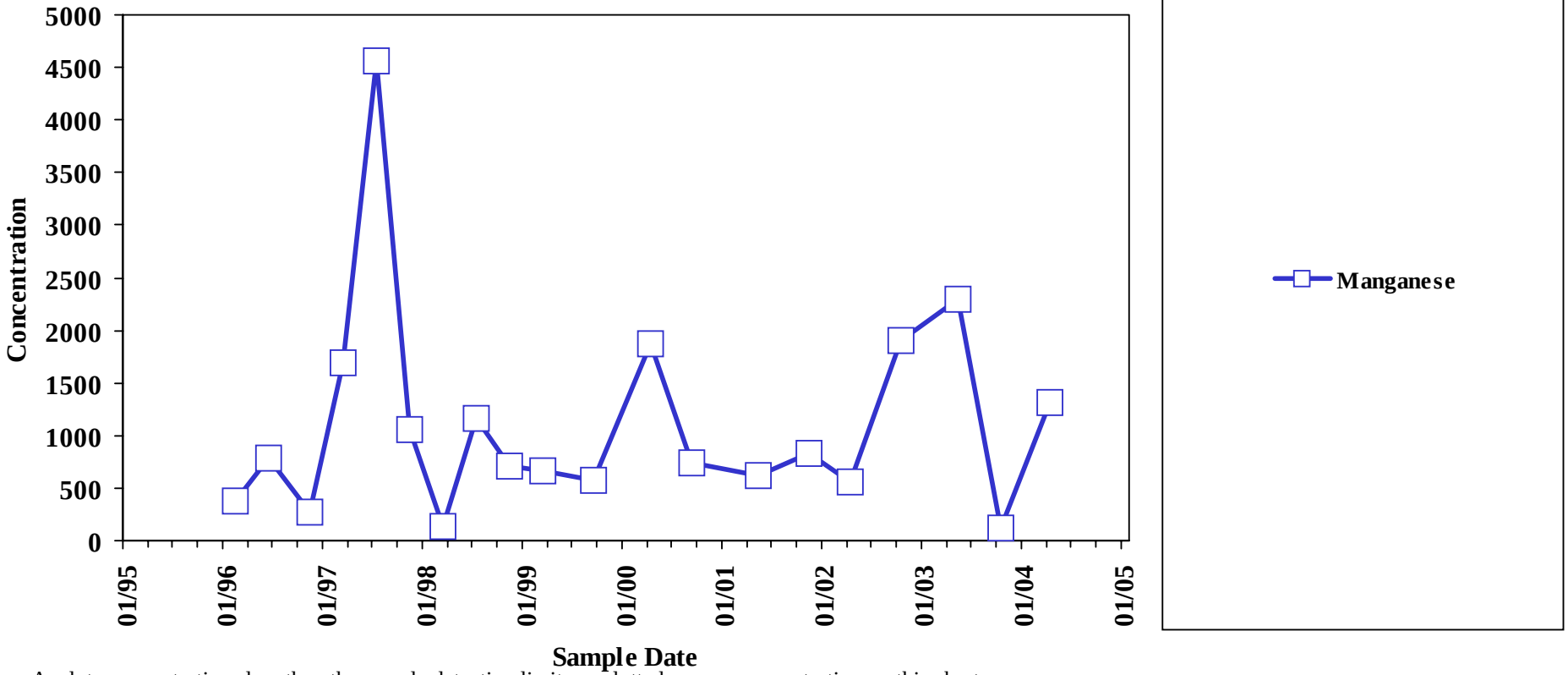
Sample concentration units: mg/Kg

Sample Location:

LT-05

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

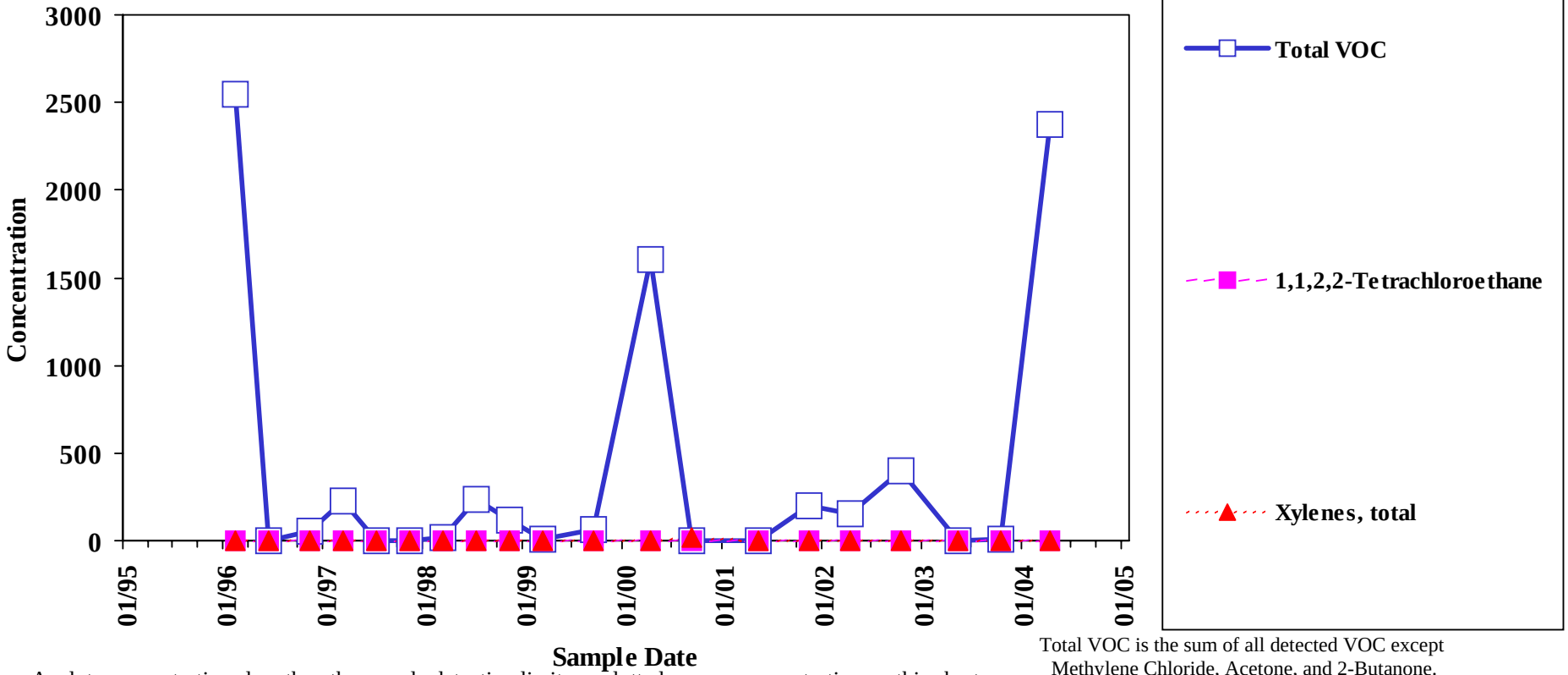
Sample concentration units: mg/Kg

Sample Location:

LT-05

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

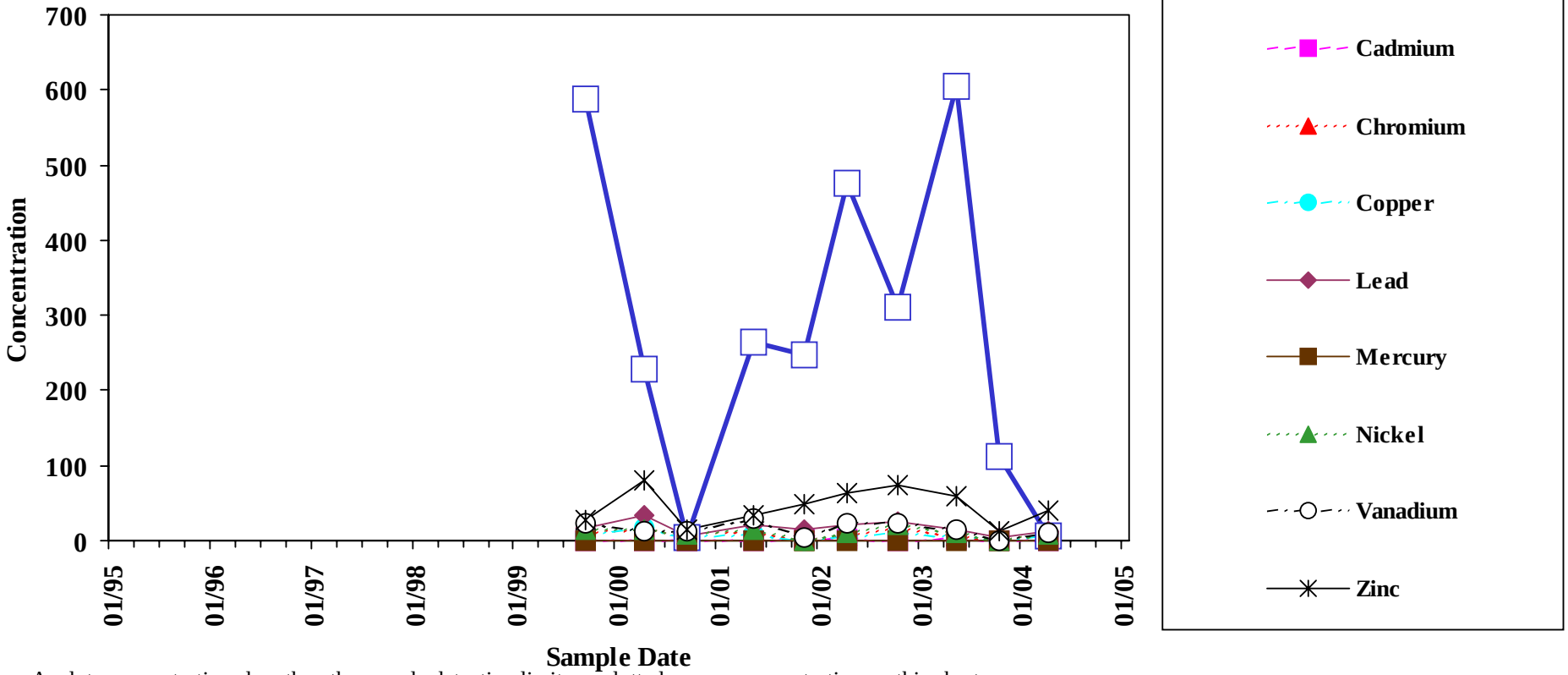
Sample concentration units: µg/Kg

Sample Location:

LT-09

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

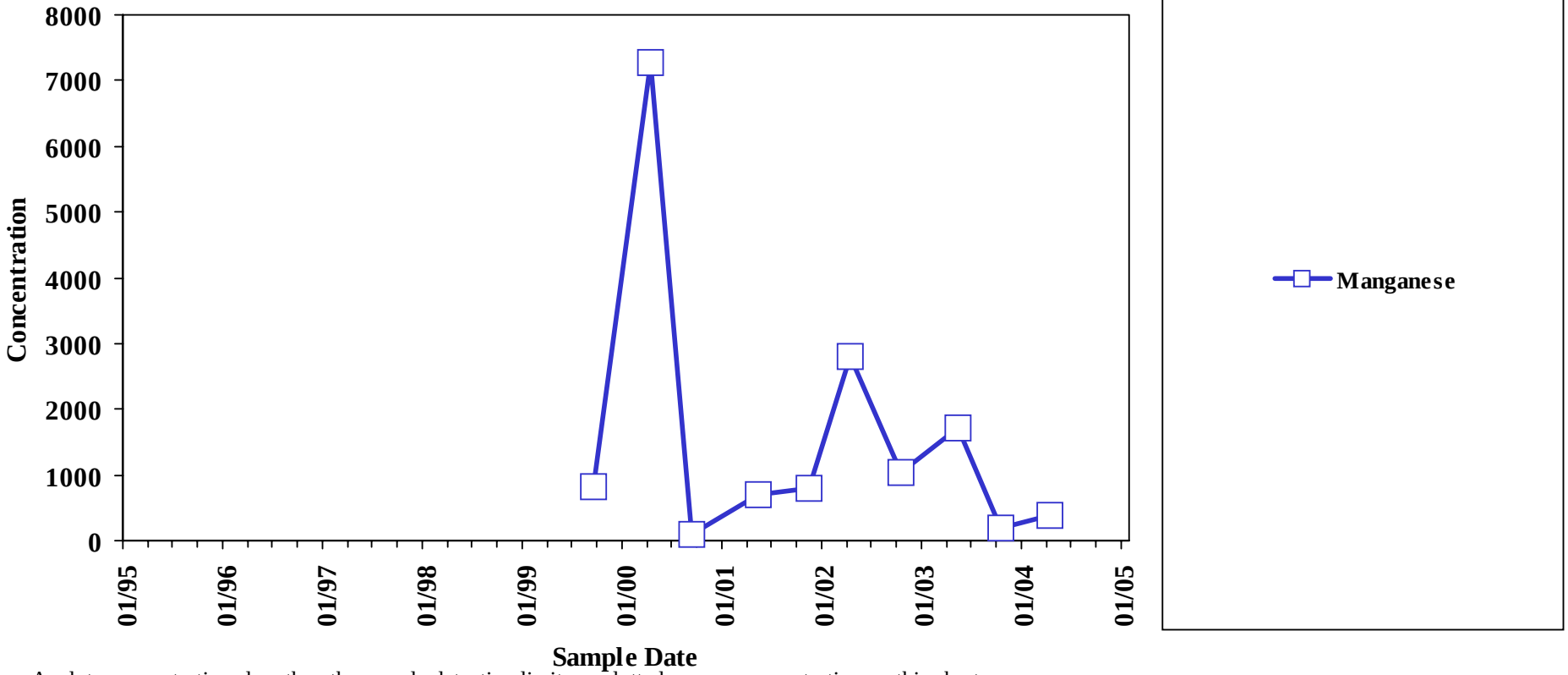
Sample concentration units: mg/Kg

Sample Location:

LT-09

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

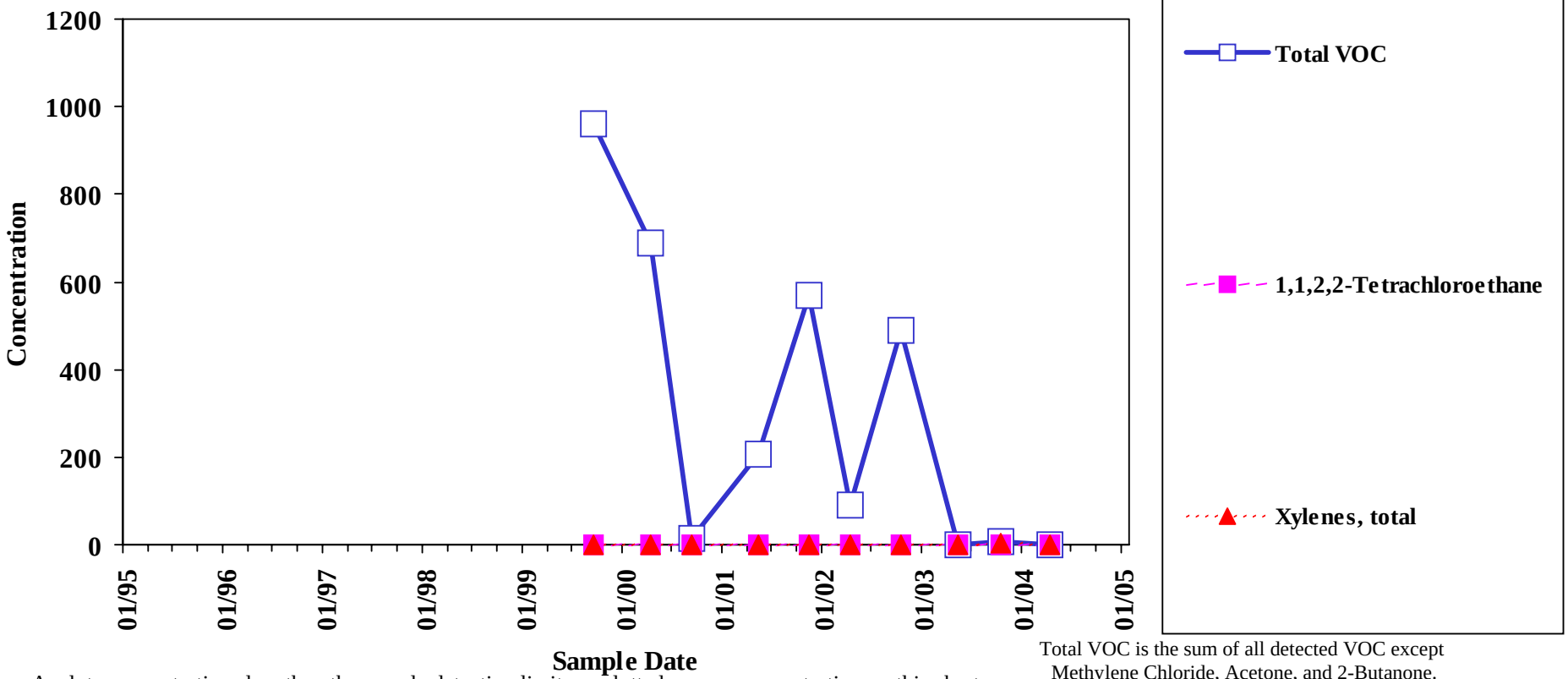
Sample concentration units: mg/Kg

Sample Location:

LT-09

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/Kg

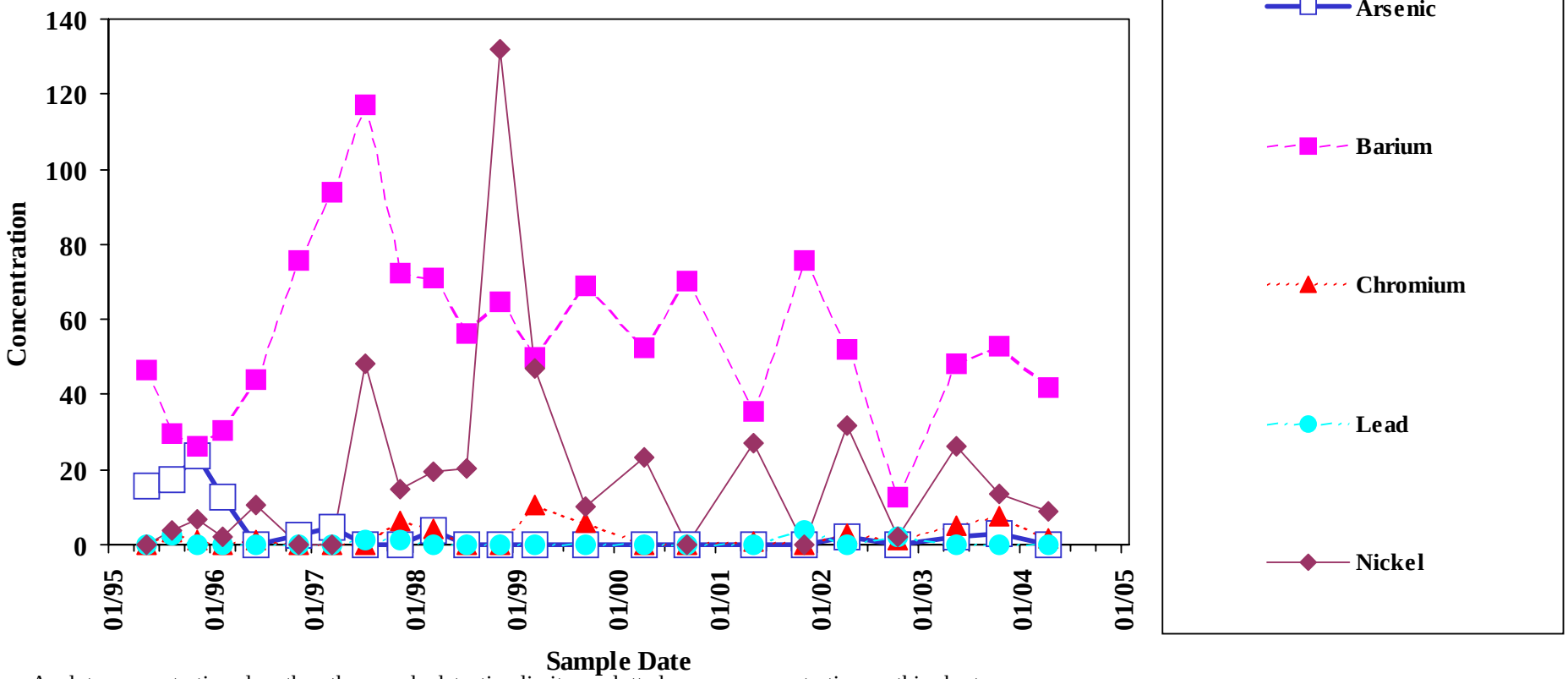
Sample Location:

MW-202A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

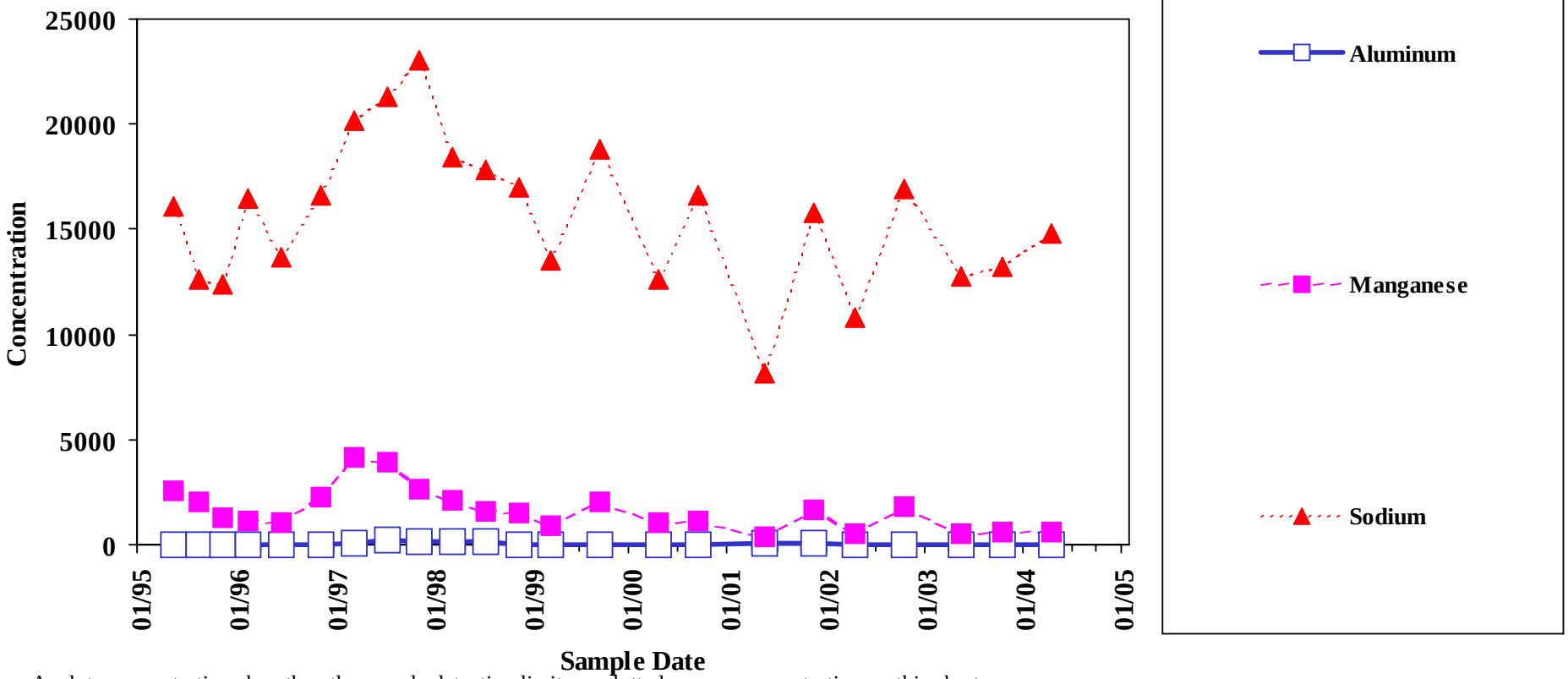
Sample Location:

MW-202A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

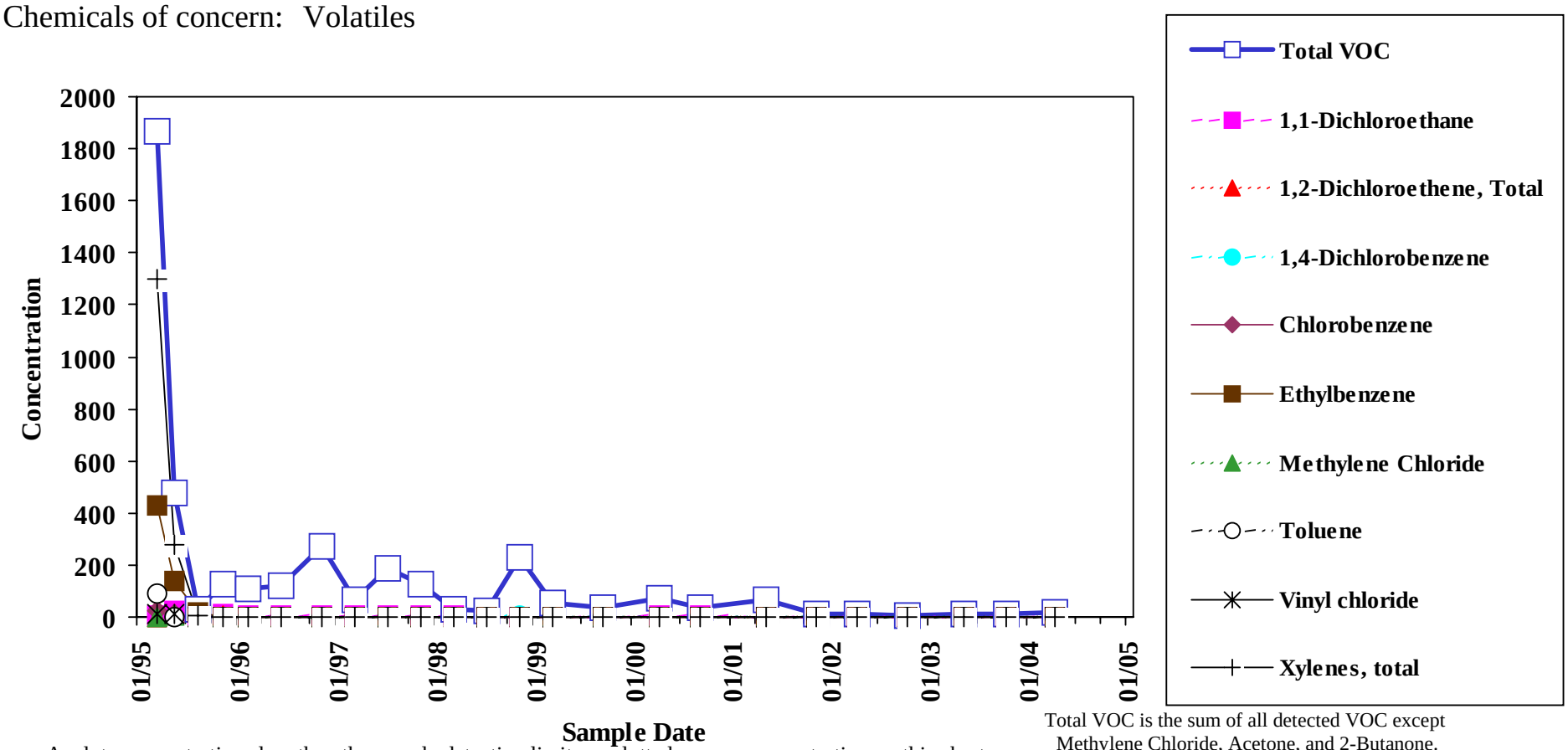
Sample Location:

MW-202A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

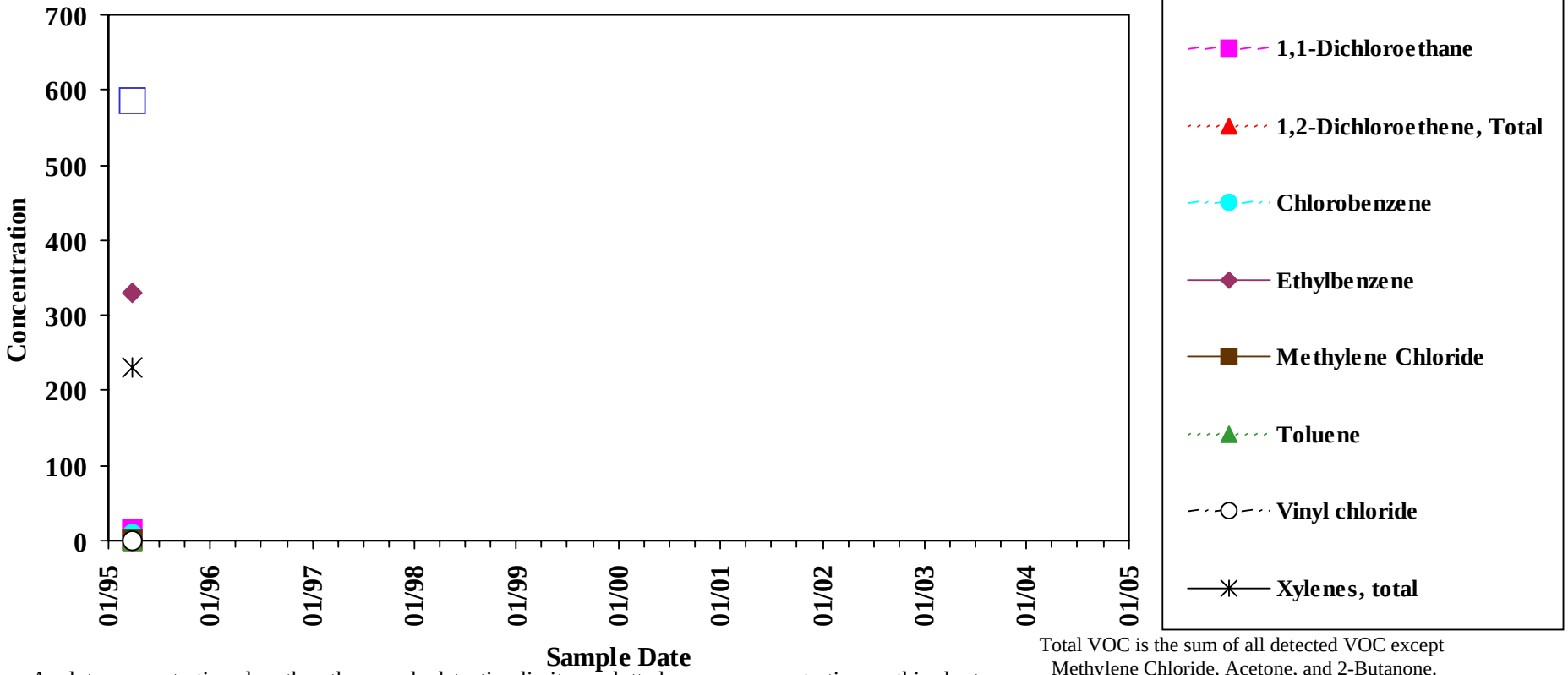
Sample Location:

MW-202B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

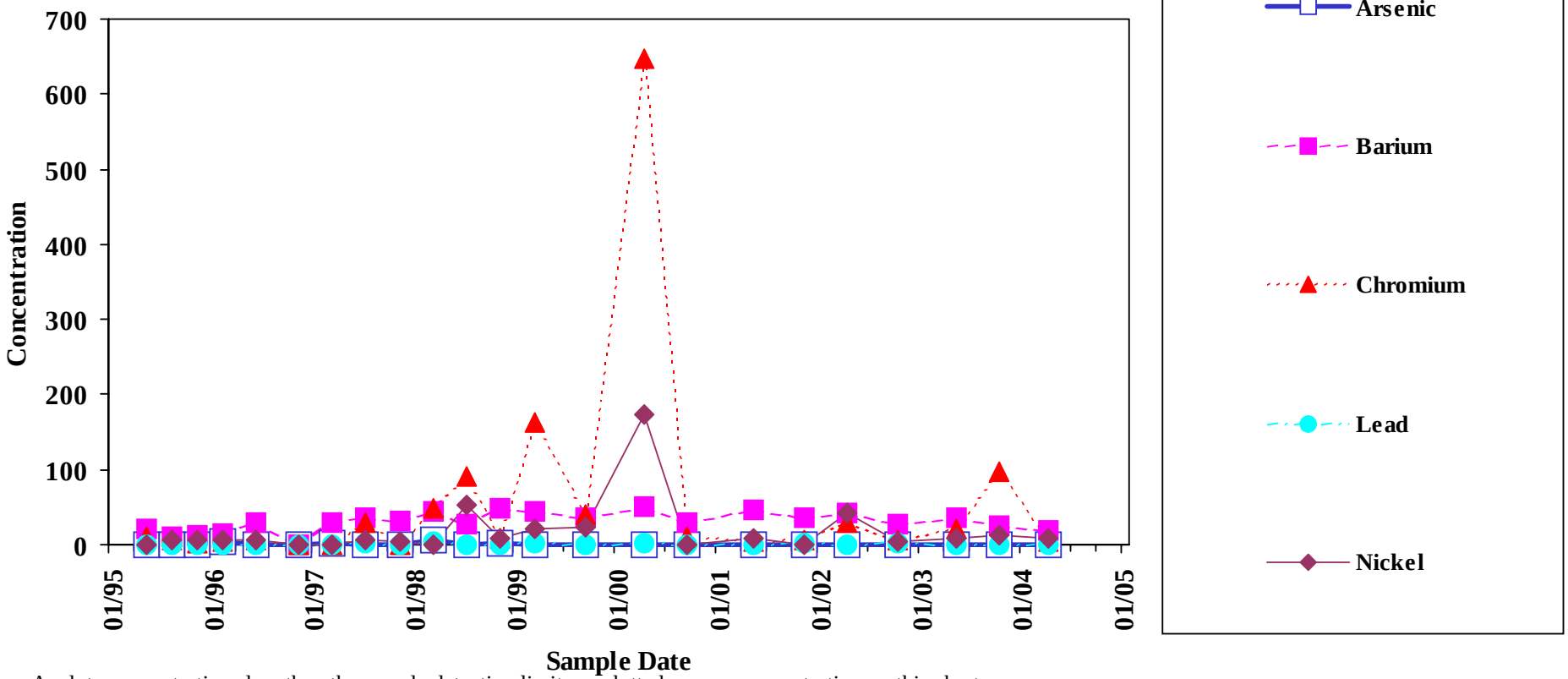
Sample Location:

MW-203

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

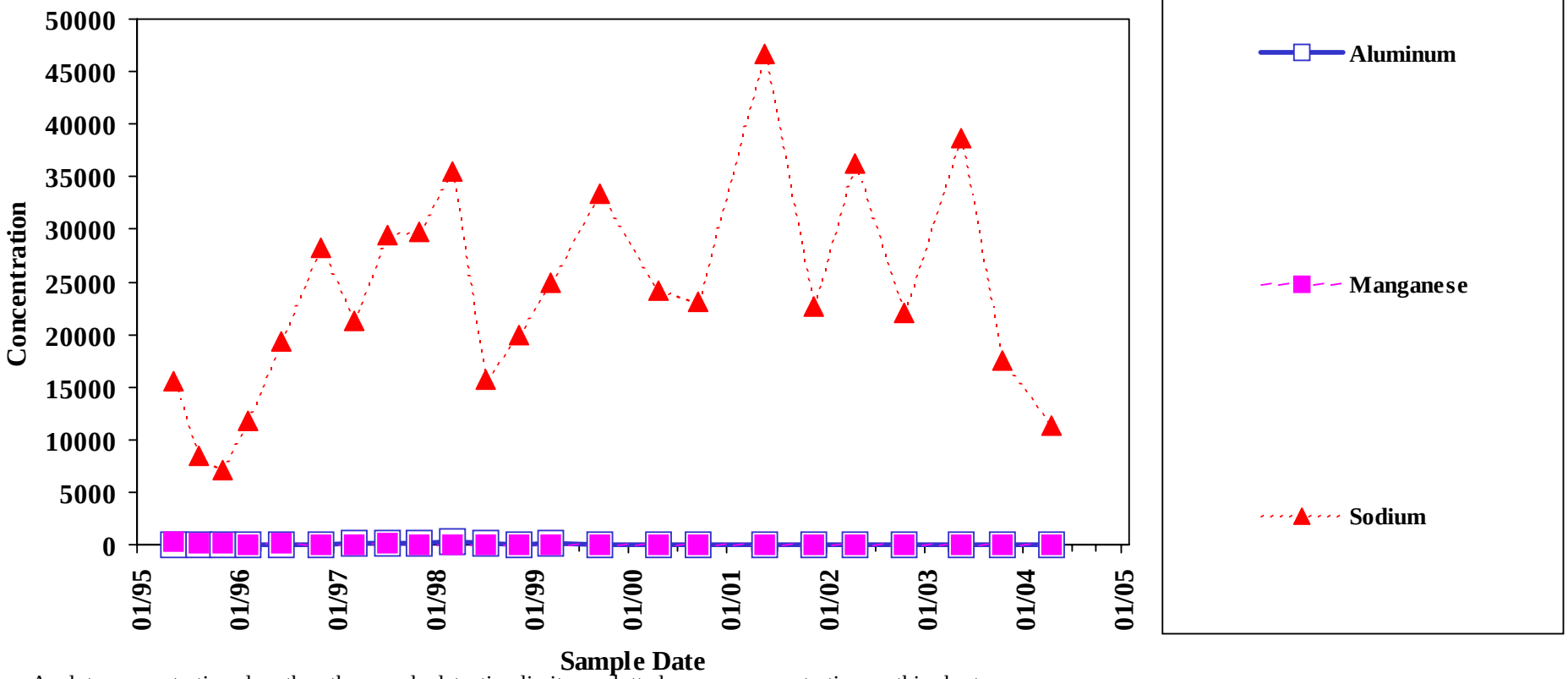
Sample Location:

MW-203

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

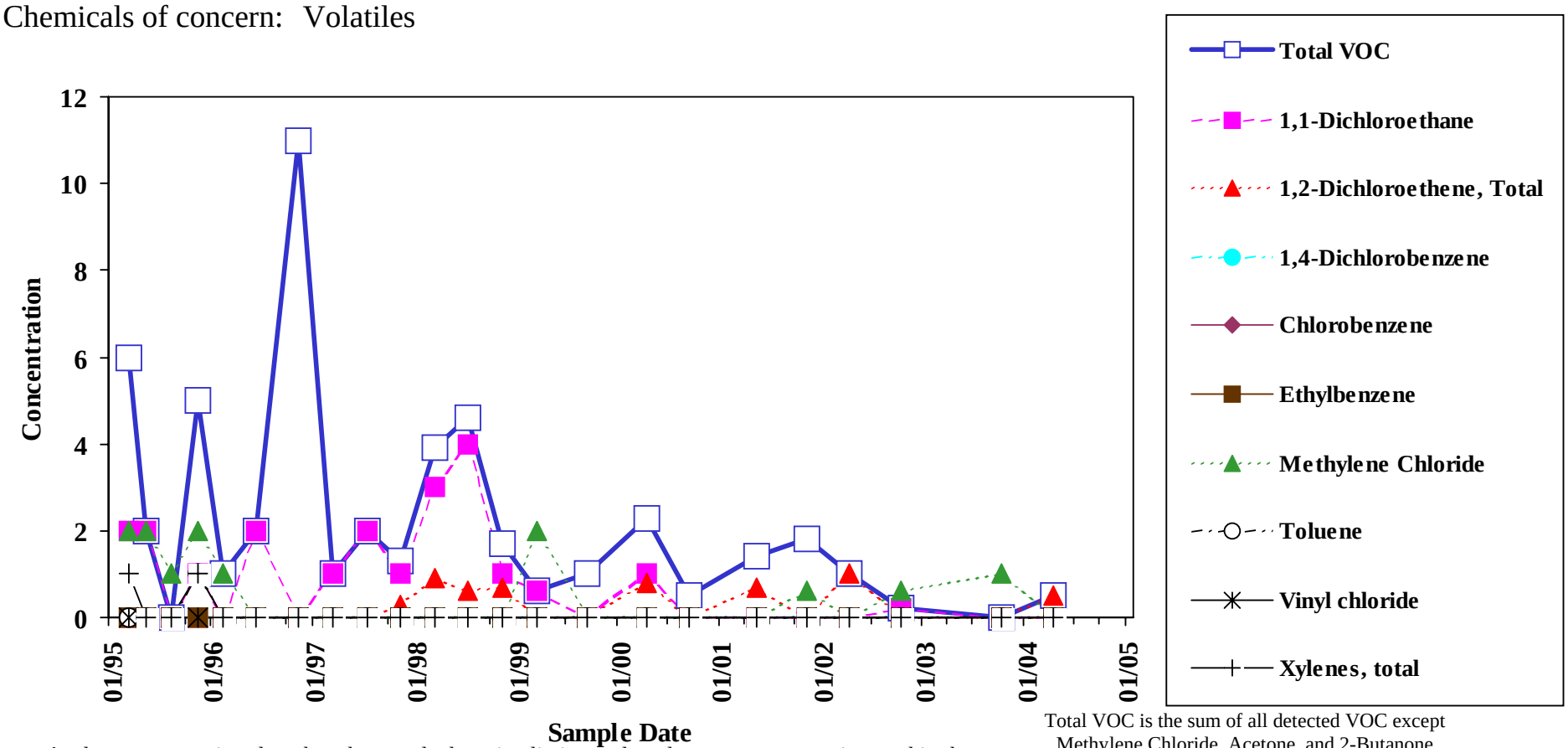
Sample Location:

MW-203

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

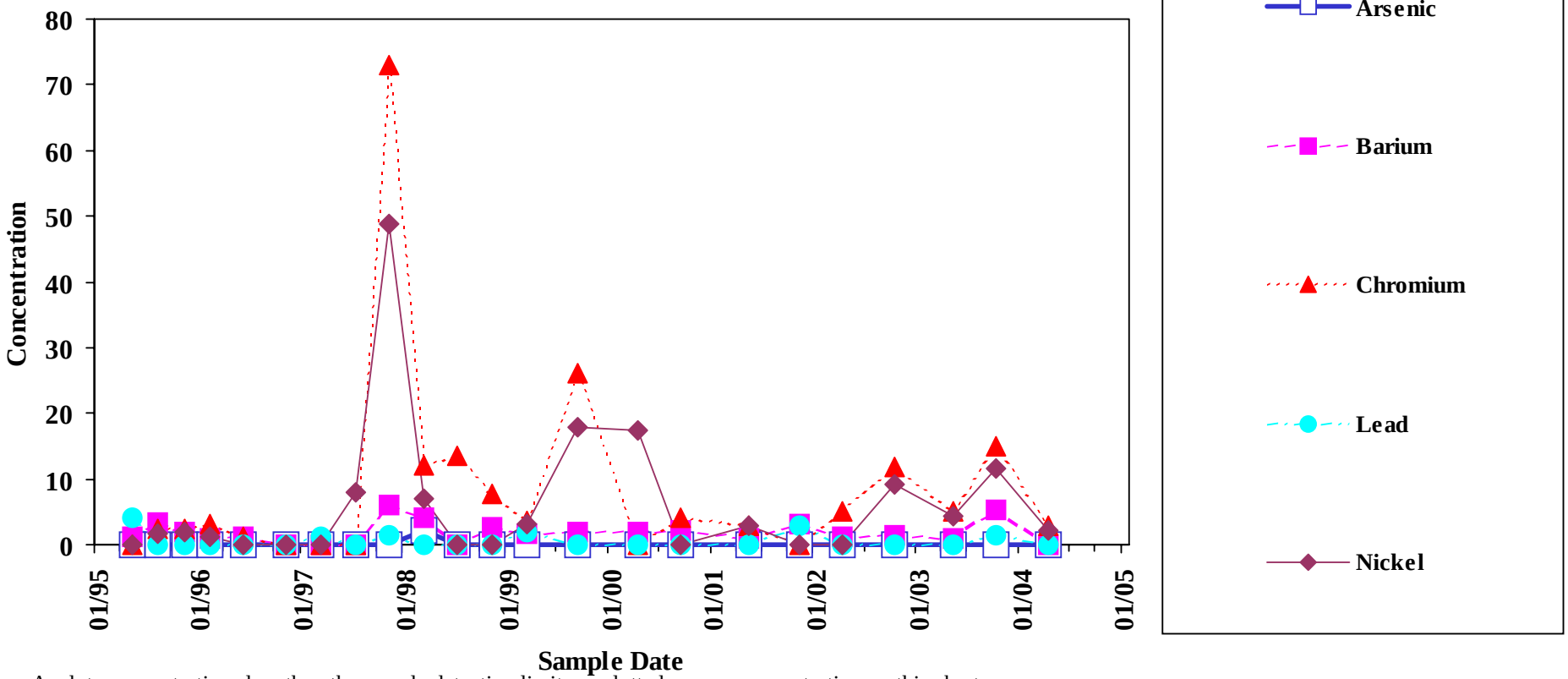
Sample Location:

MW-204

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

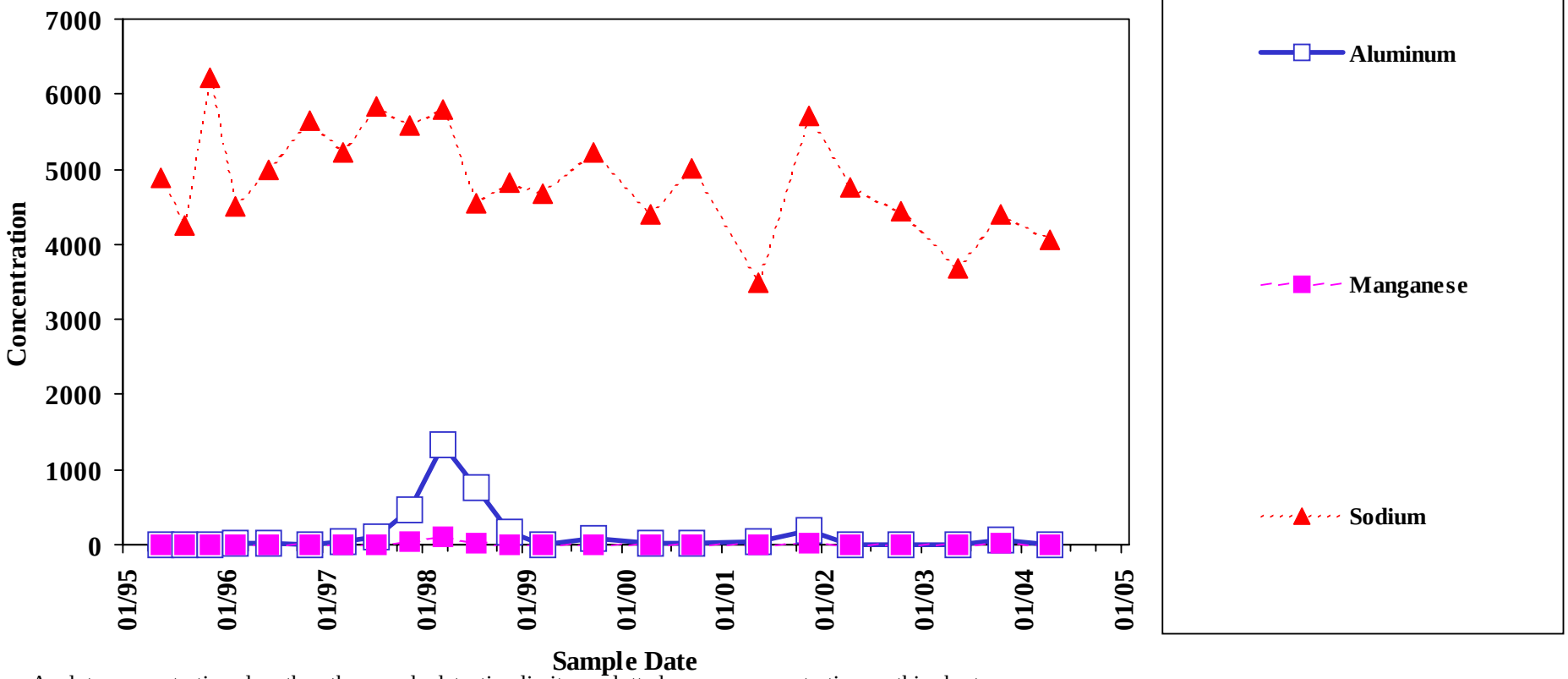
Sample Location:

MW-204

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

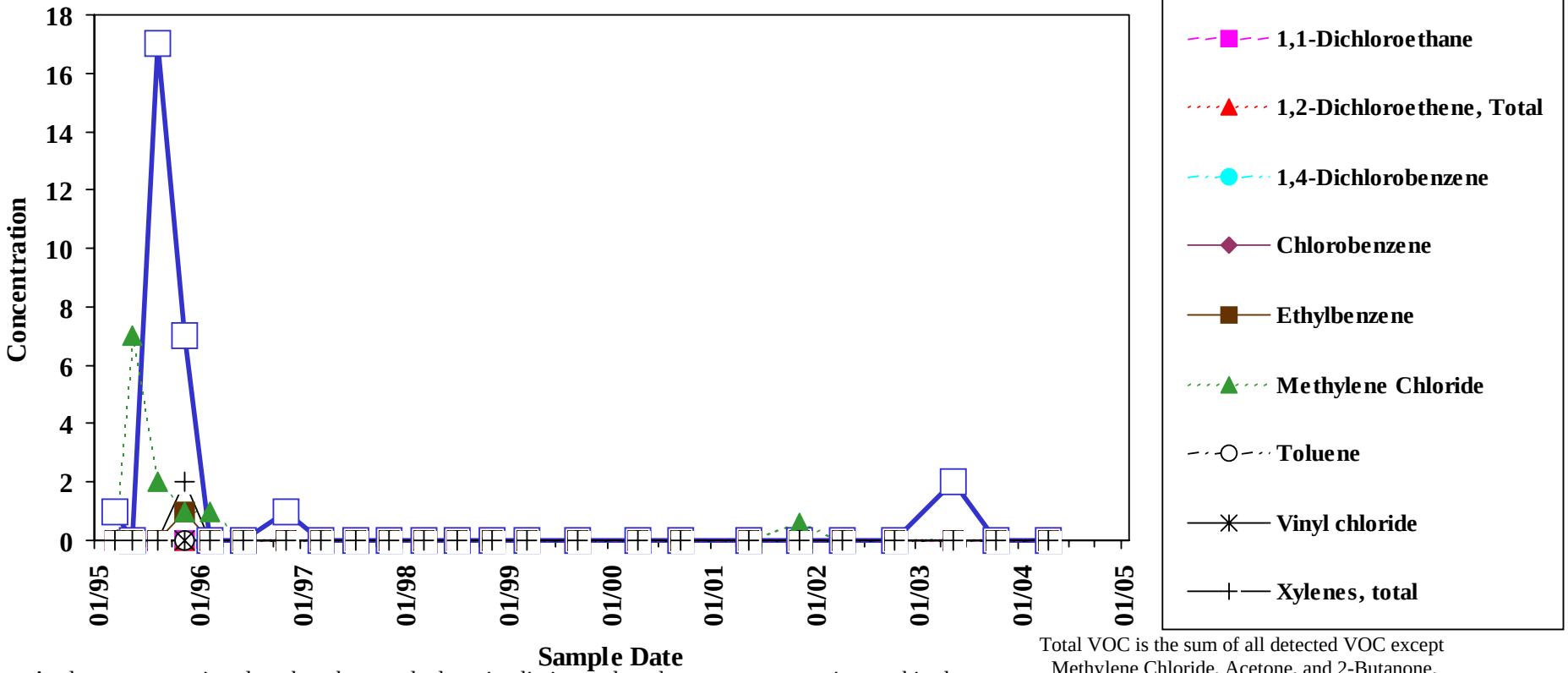
Sample Location:

MW-204

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

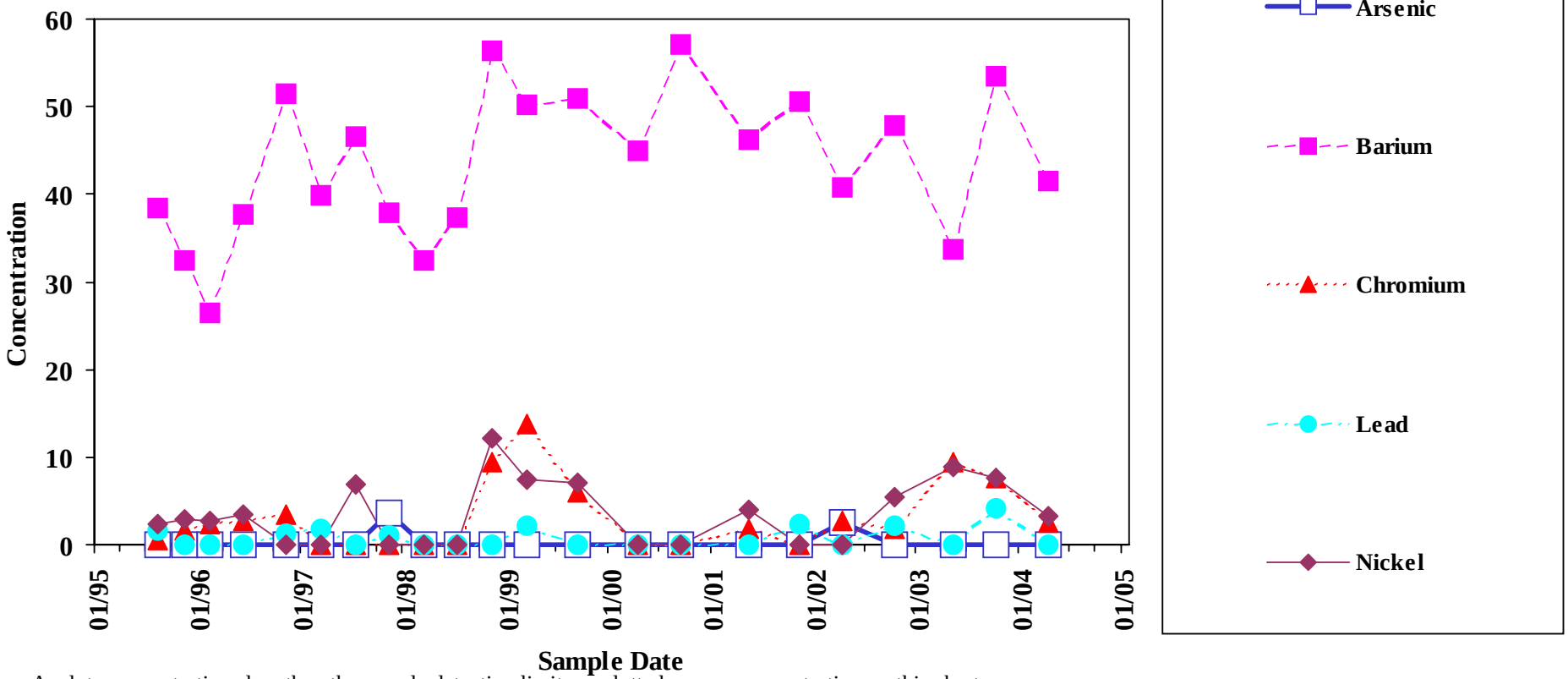
Sample Location:

MW-2101

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

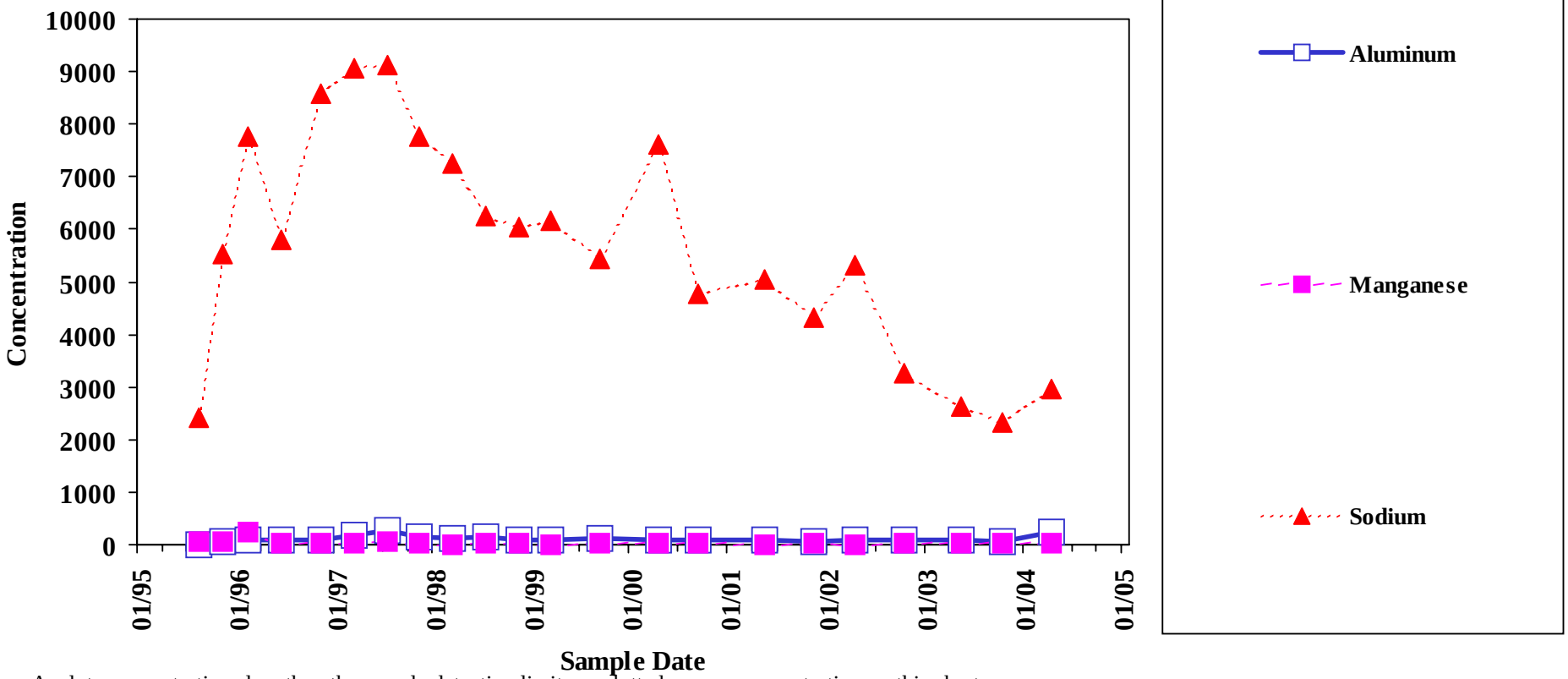
Sample Location:

MW-2101

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

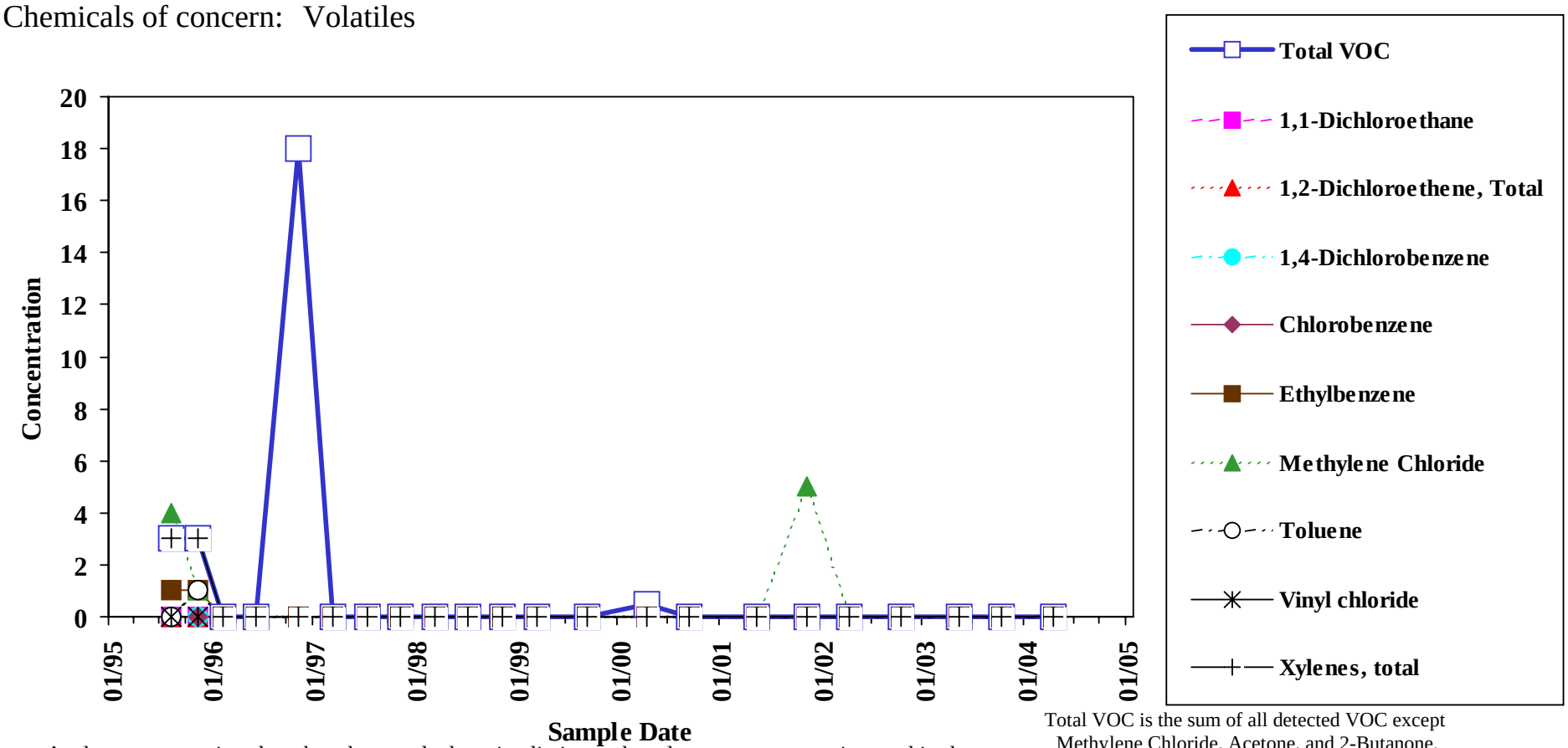
Sample Location:

MW-2101

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

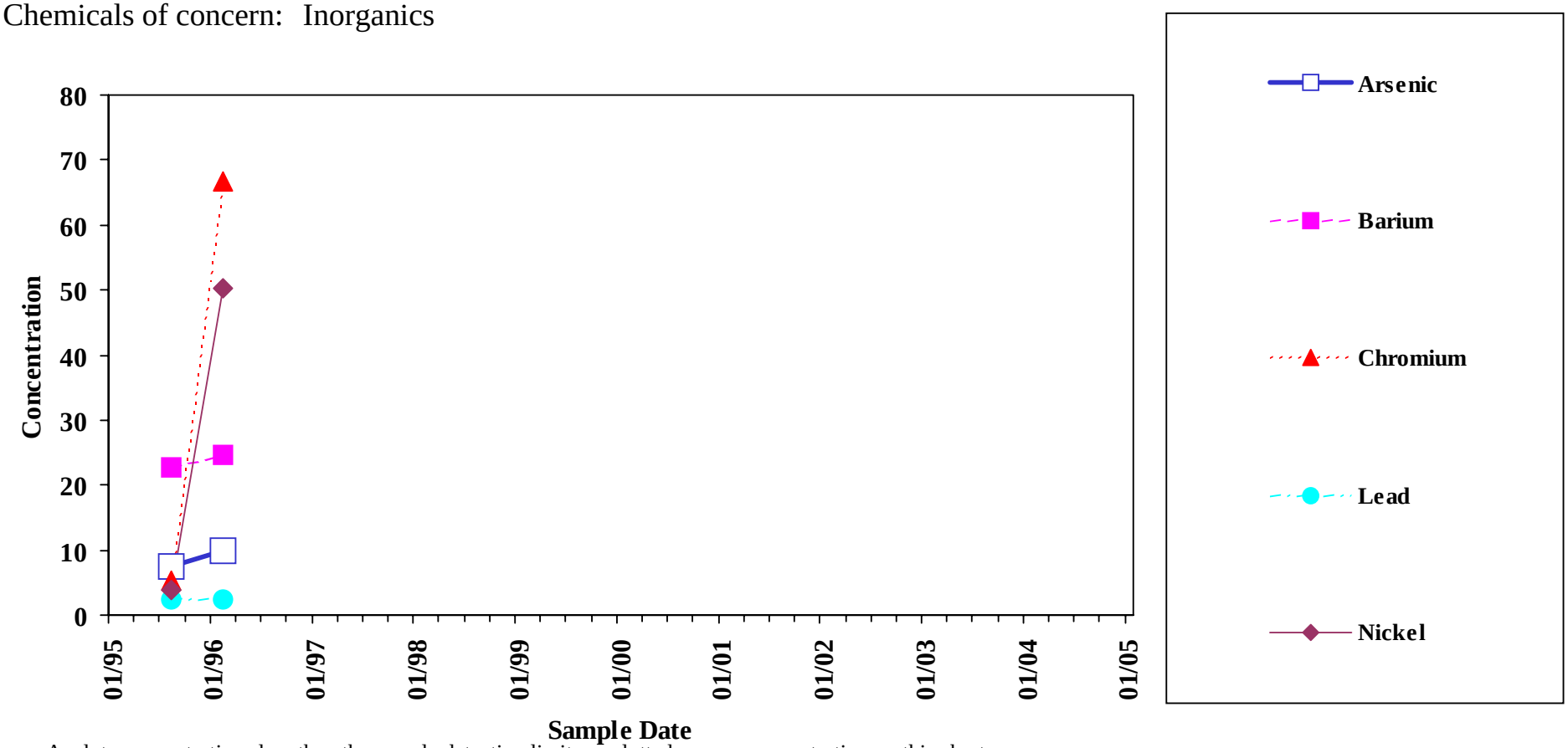
Sample Location:

MW-210A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

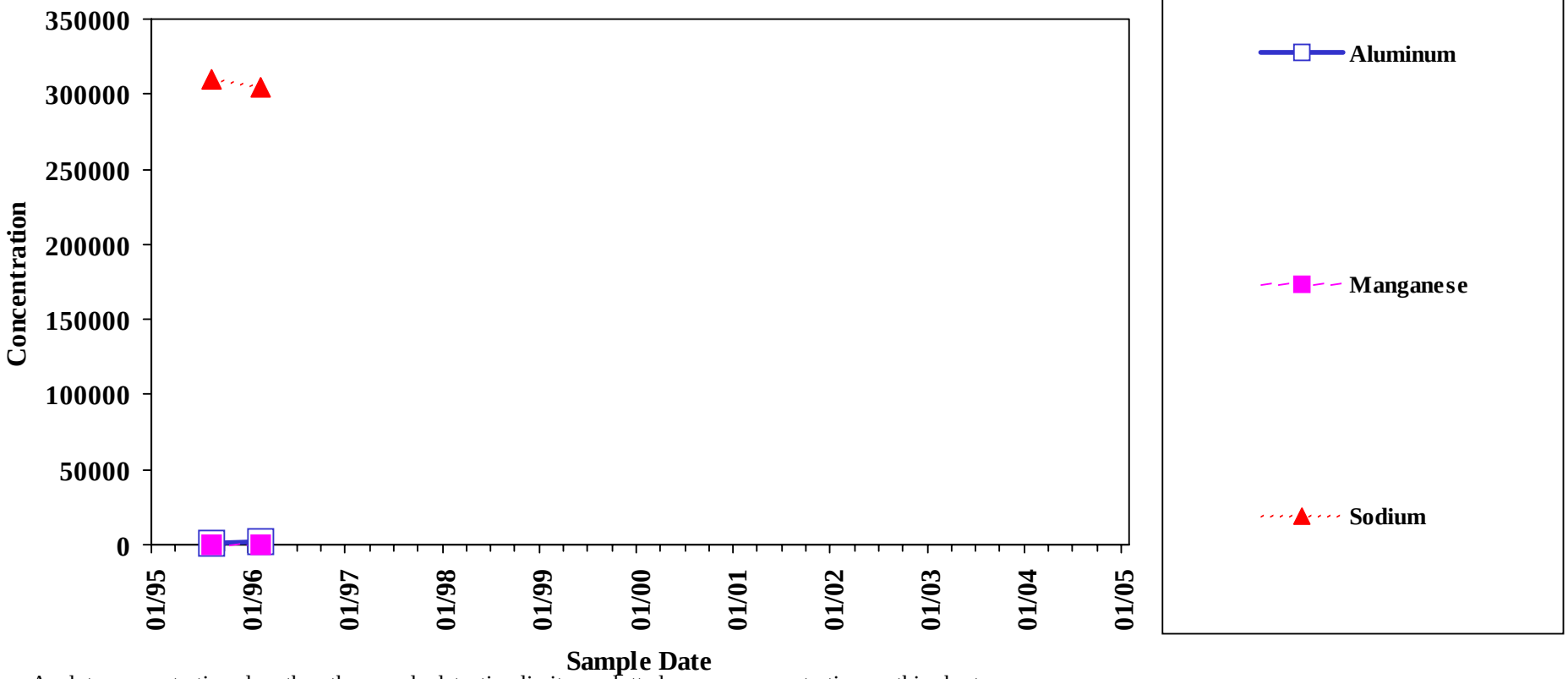
Sample Location:

MW-210A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

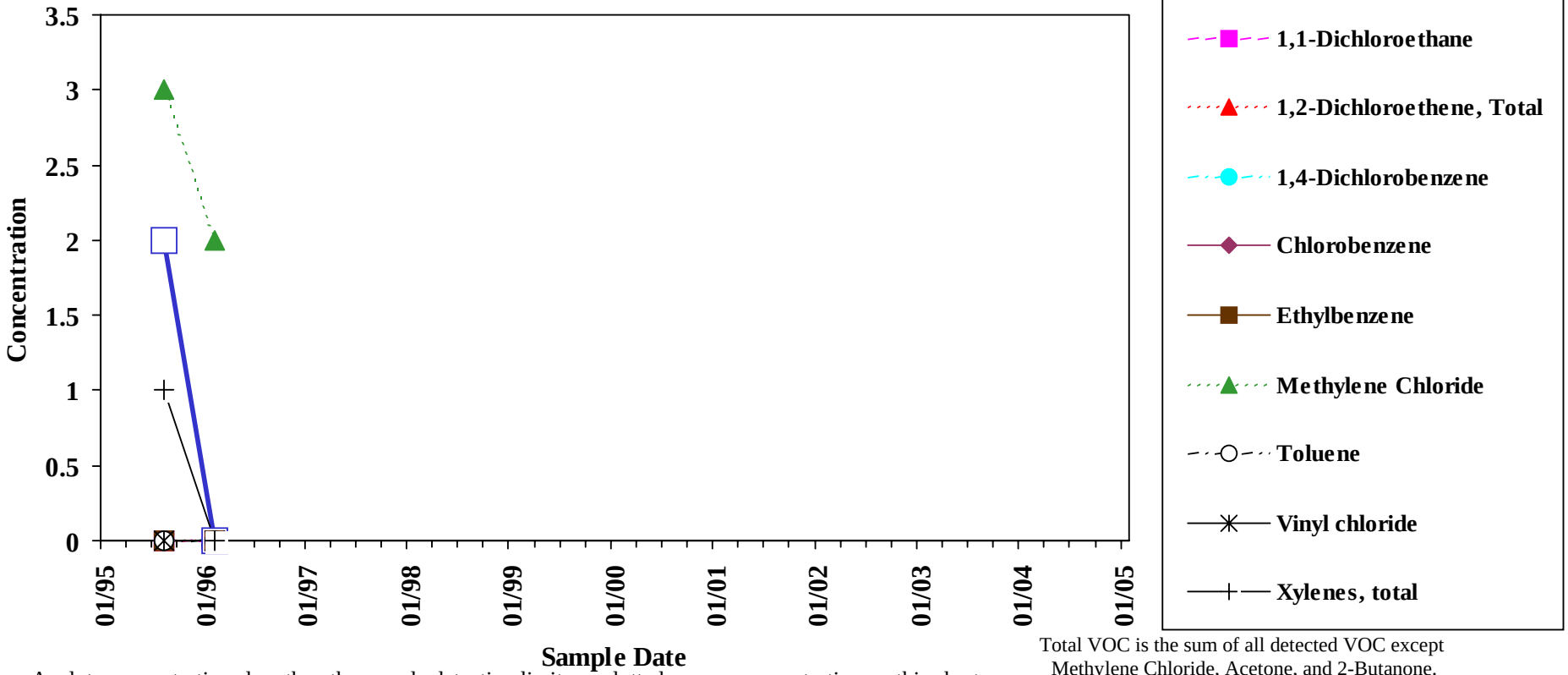
Sample Location:

MW-210A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

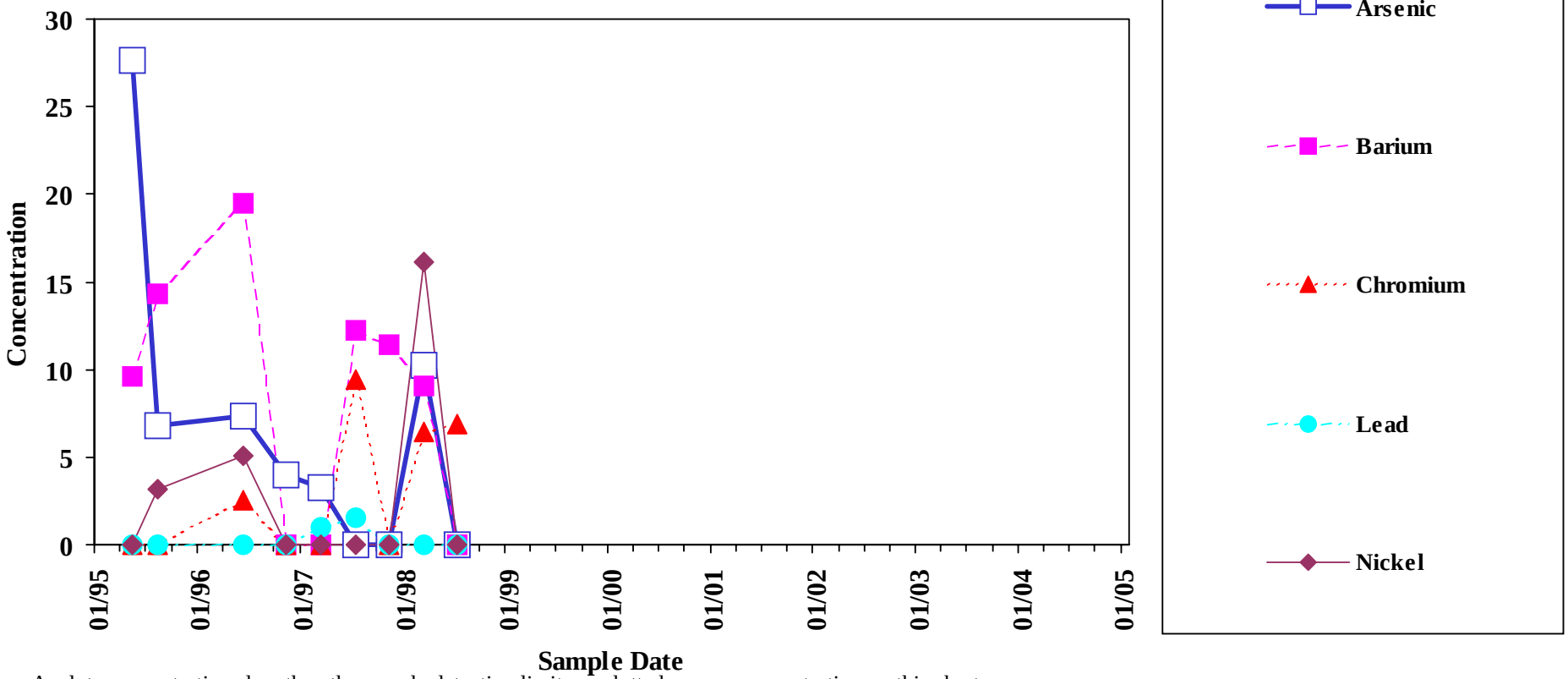
Sample Location:

MW-210B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

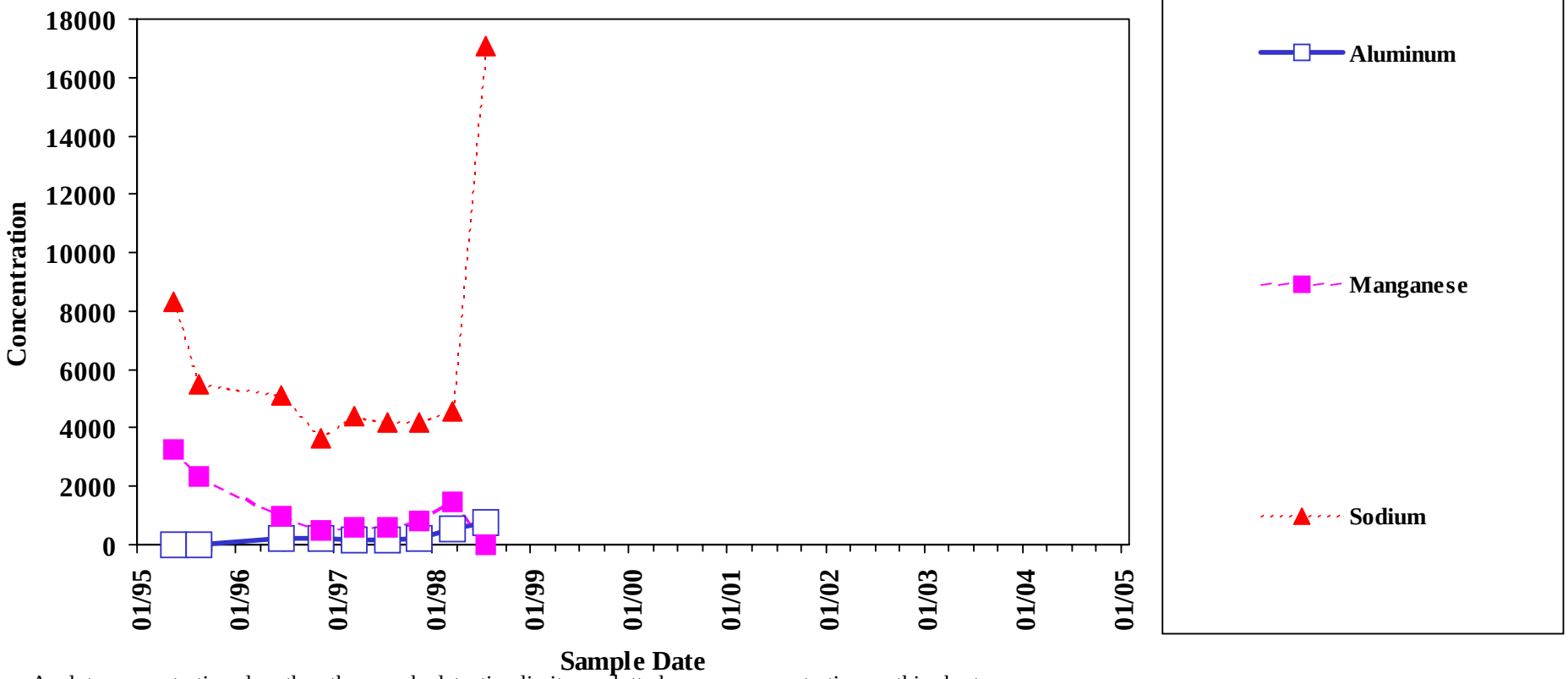
Sample Location:

MW-210B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

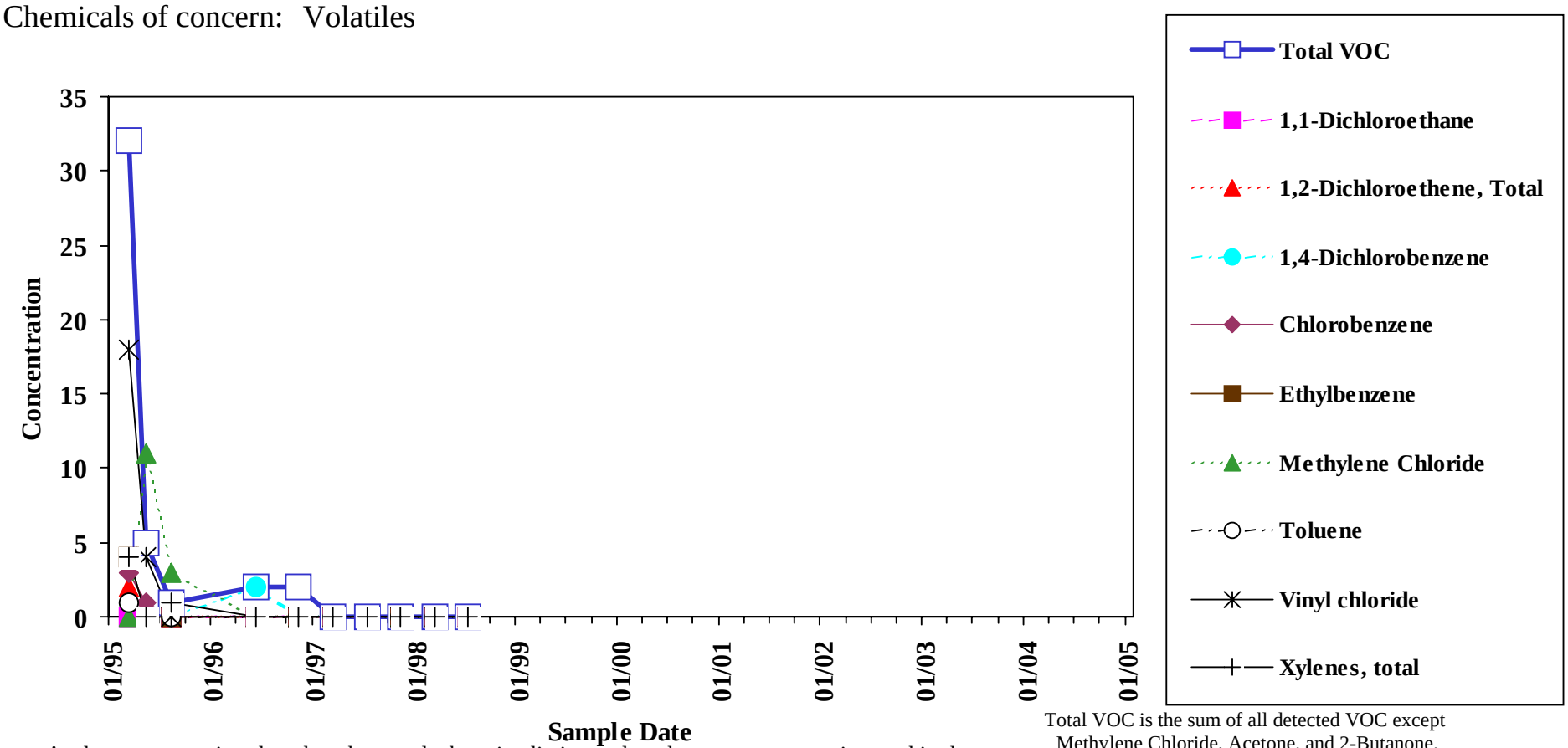
Sample Location:

MW-210B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

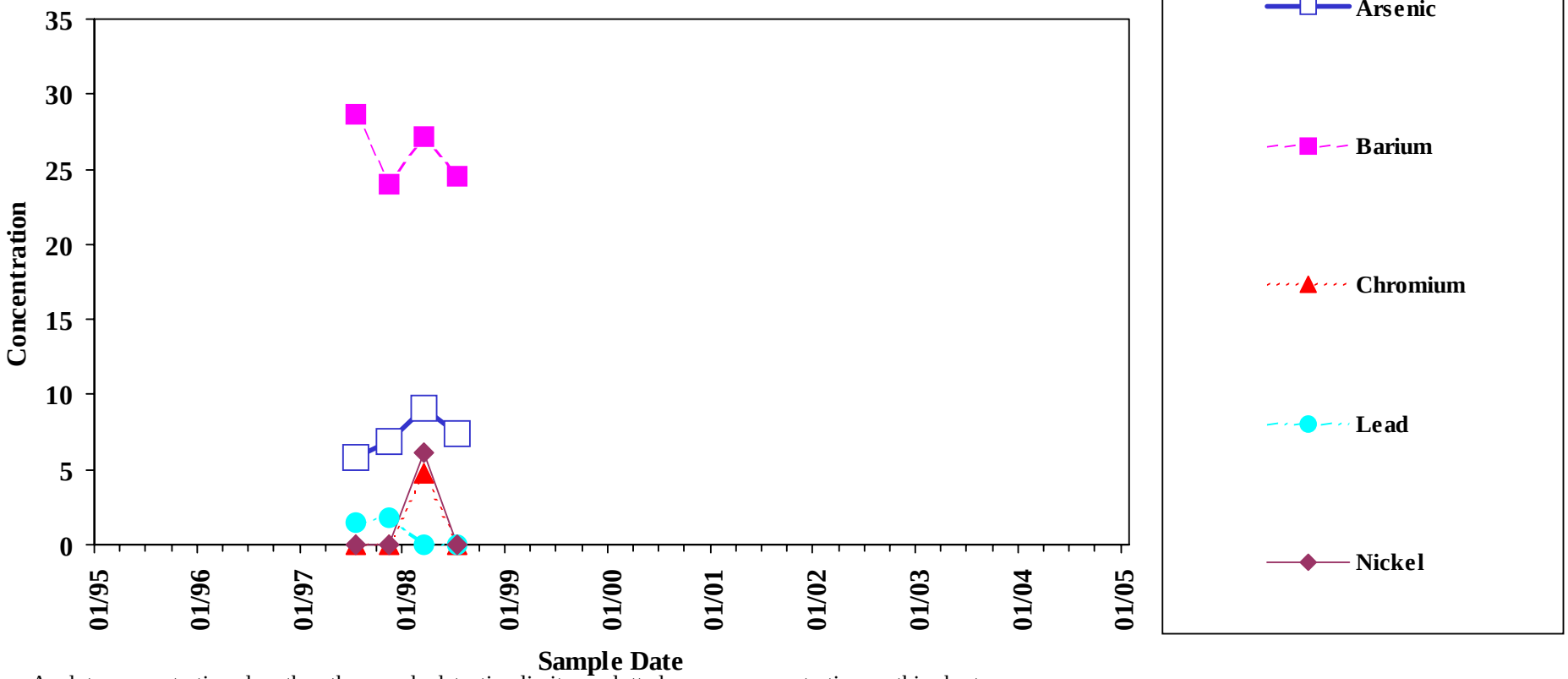
Sample Location:

MW-210R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

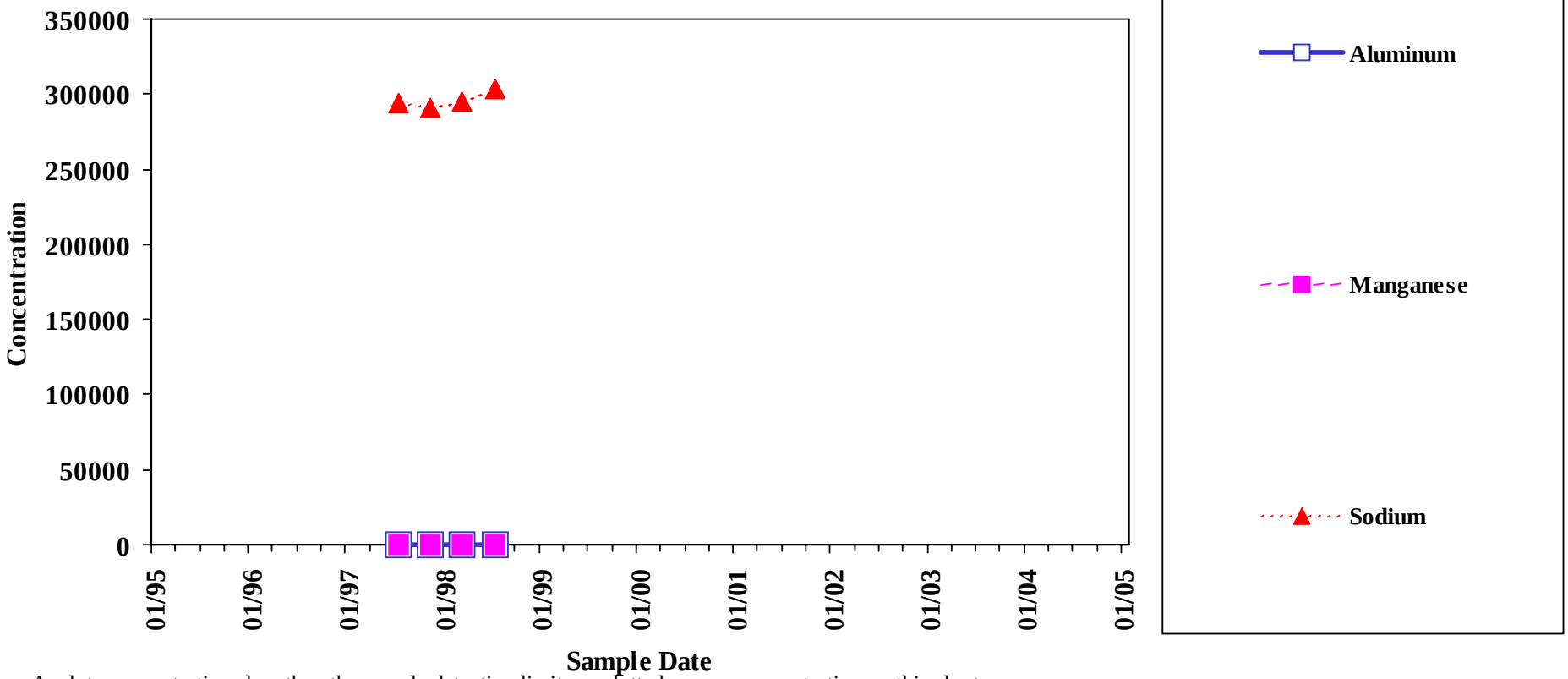
Sample Location:

MW-210R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

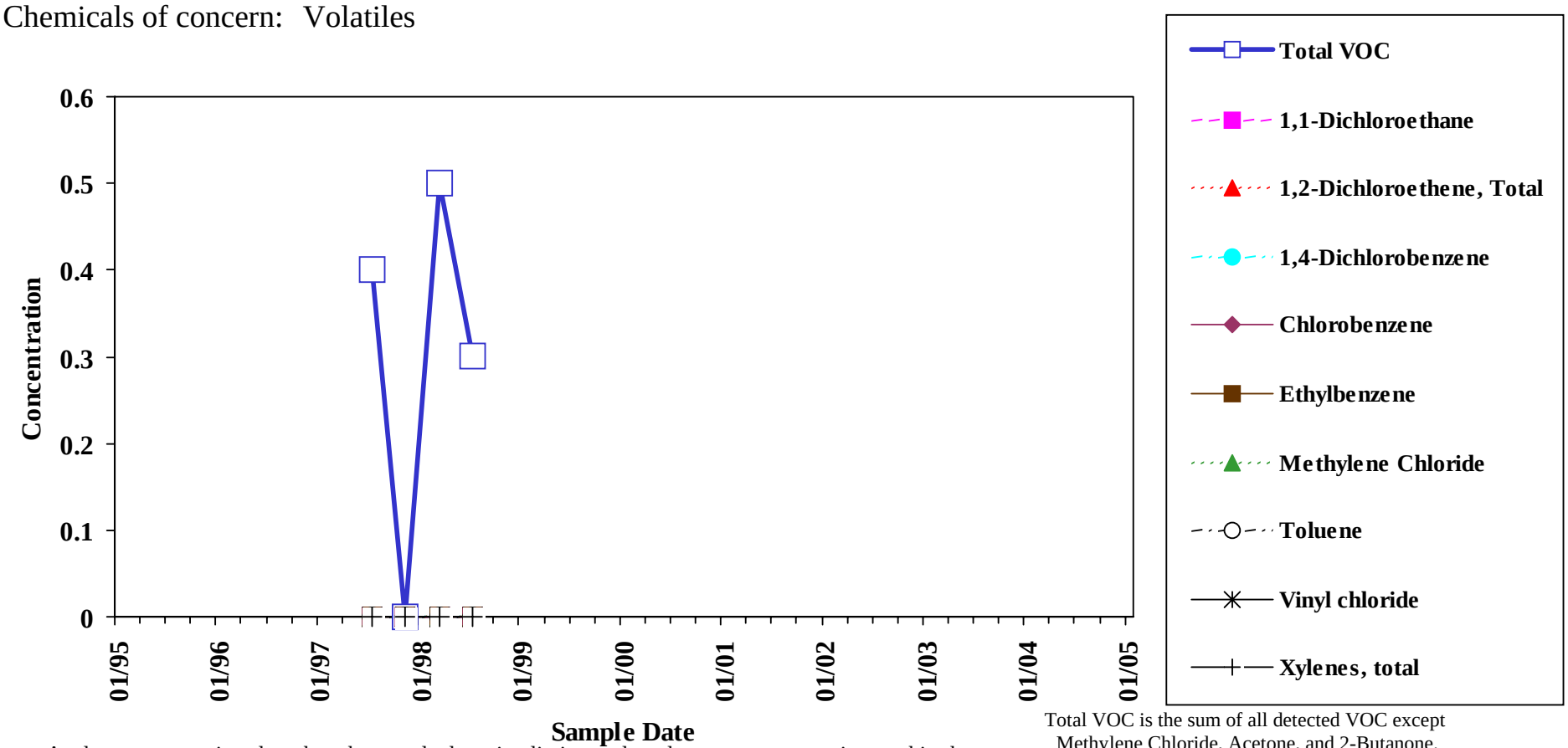
Sample Location:

MW-210R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

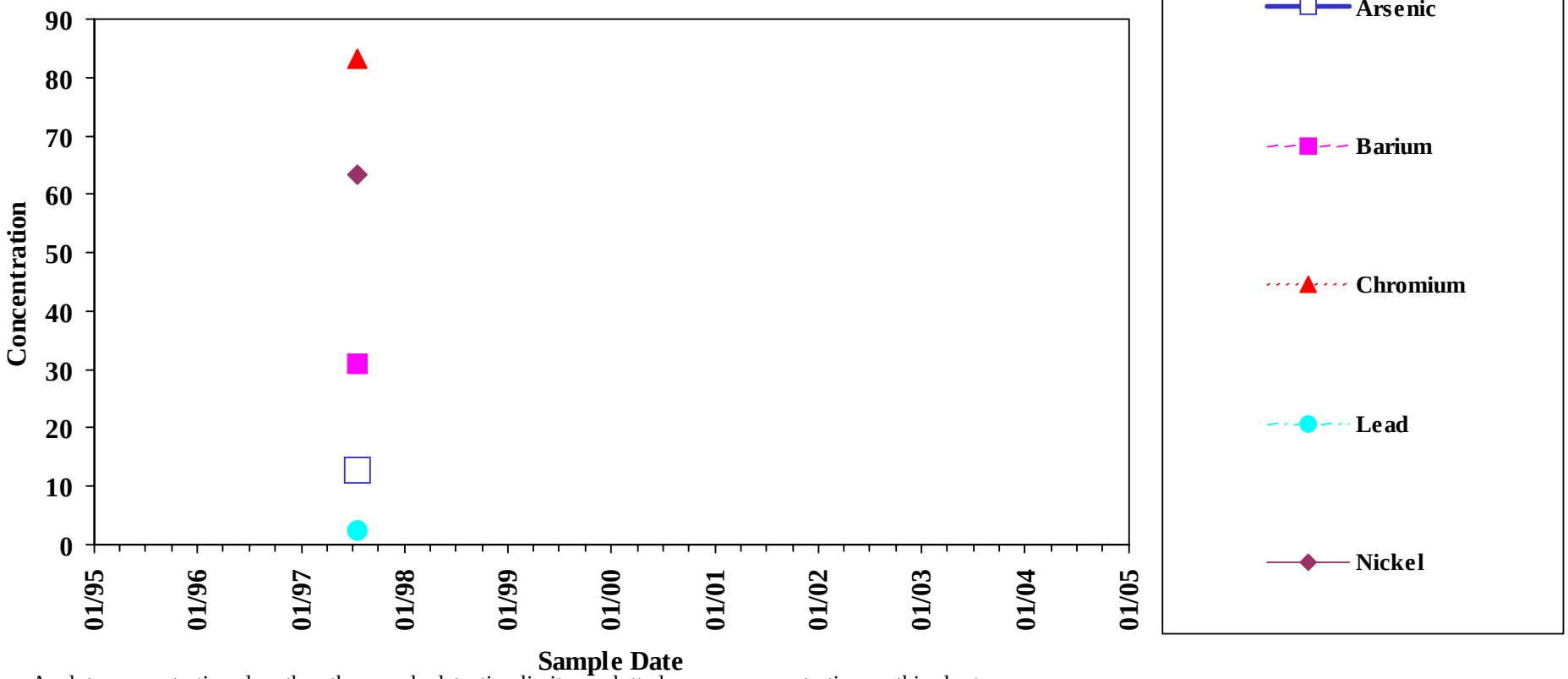
Sample Location:

MW-211B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

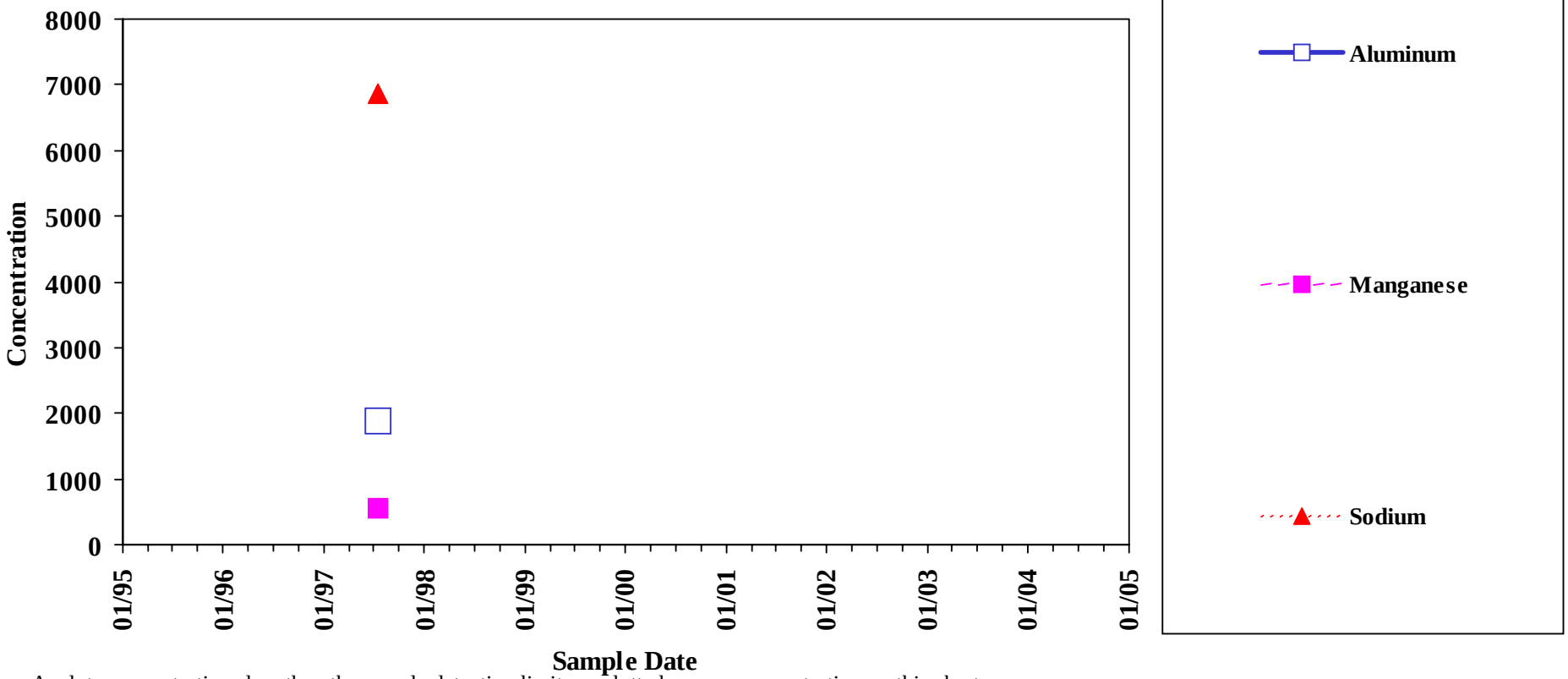
Sample Location:

MW-211B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

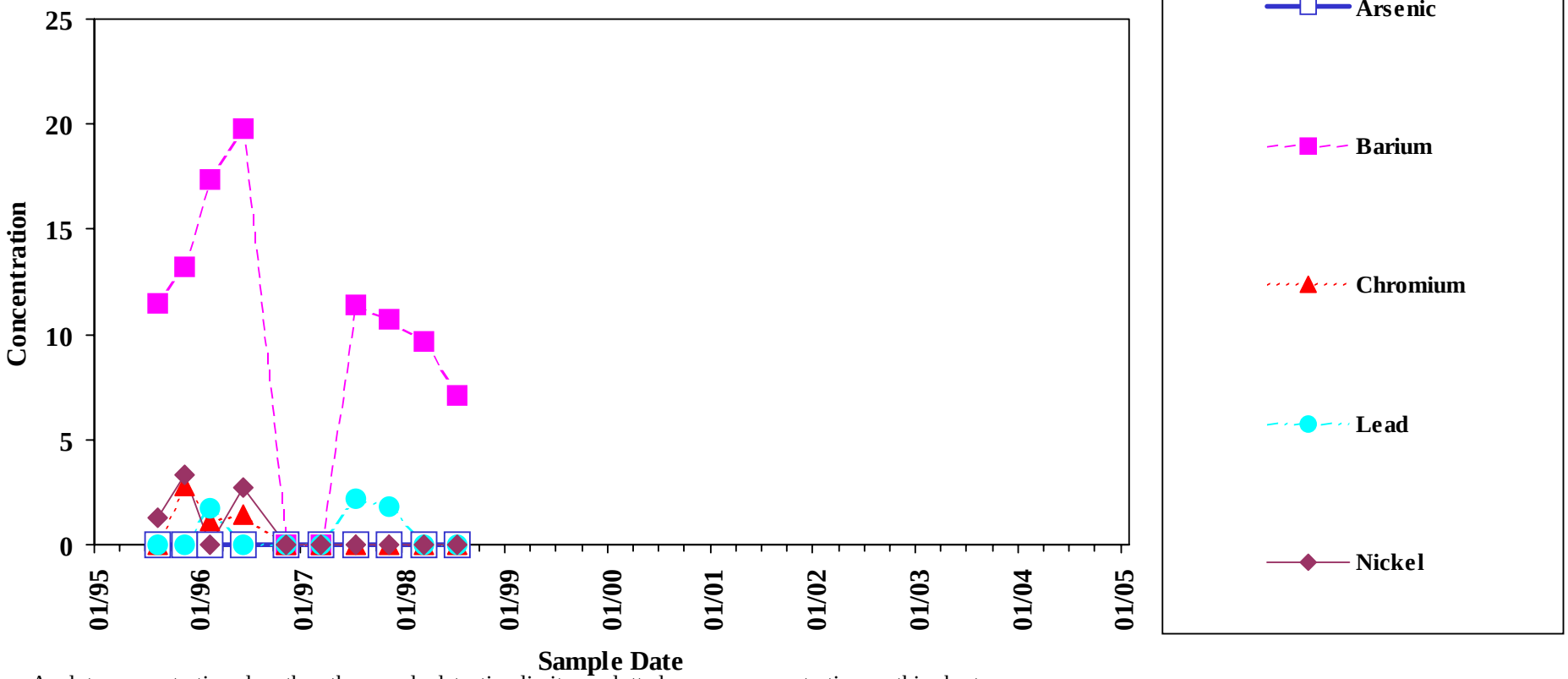
Sample Location:

MW-215R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

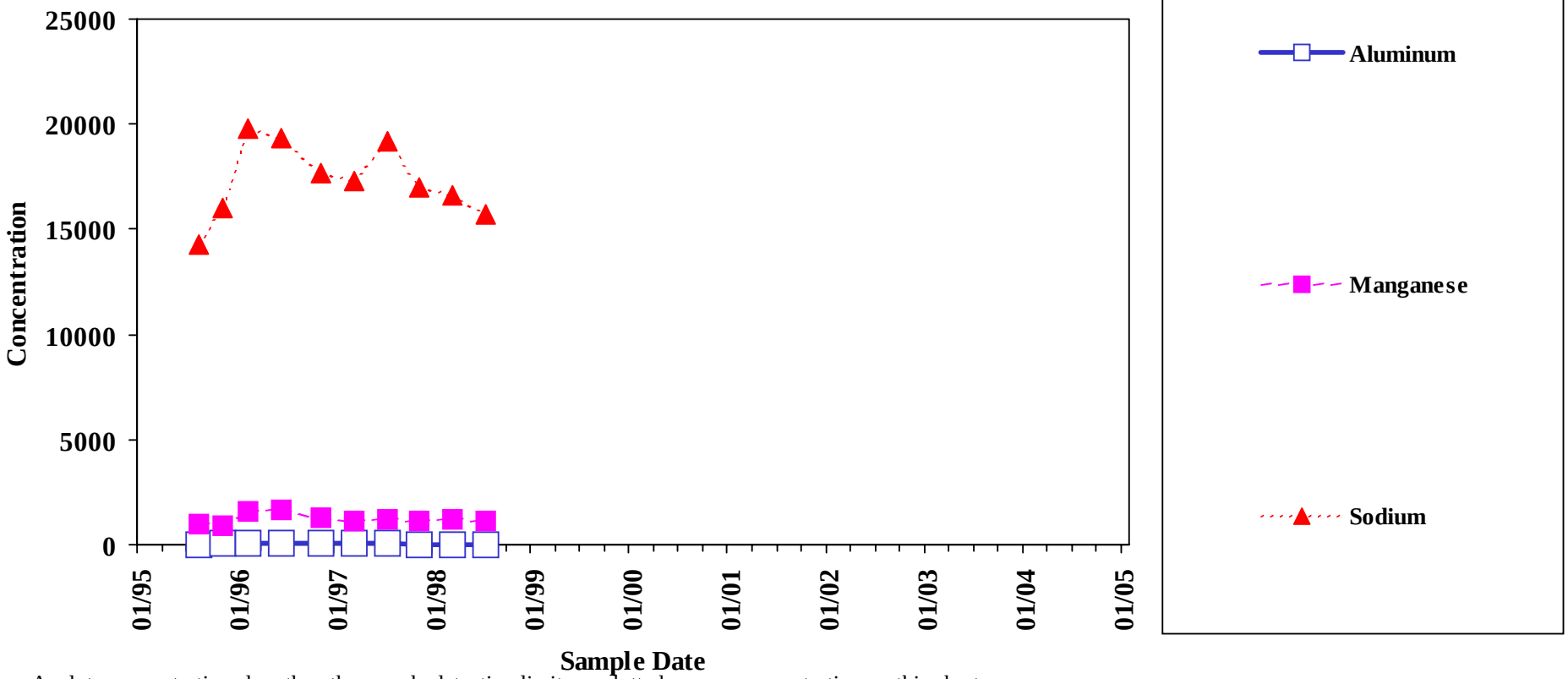
Sample Location:

MW-215R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

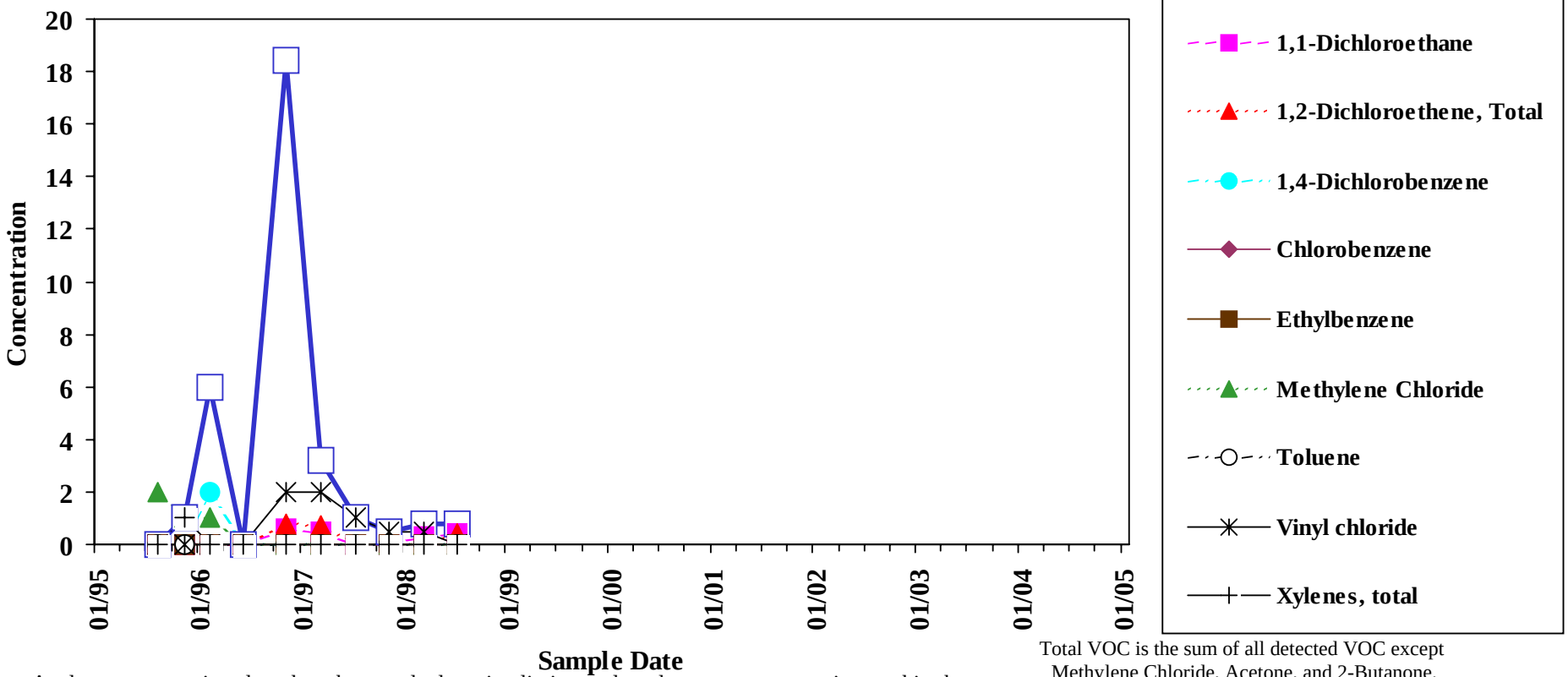
Sample Location:

MW-215R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

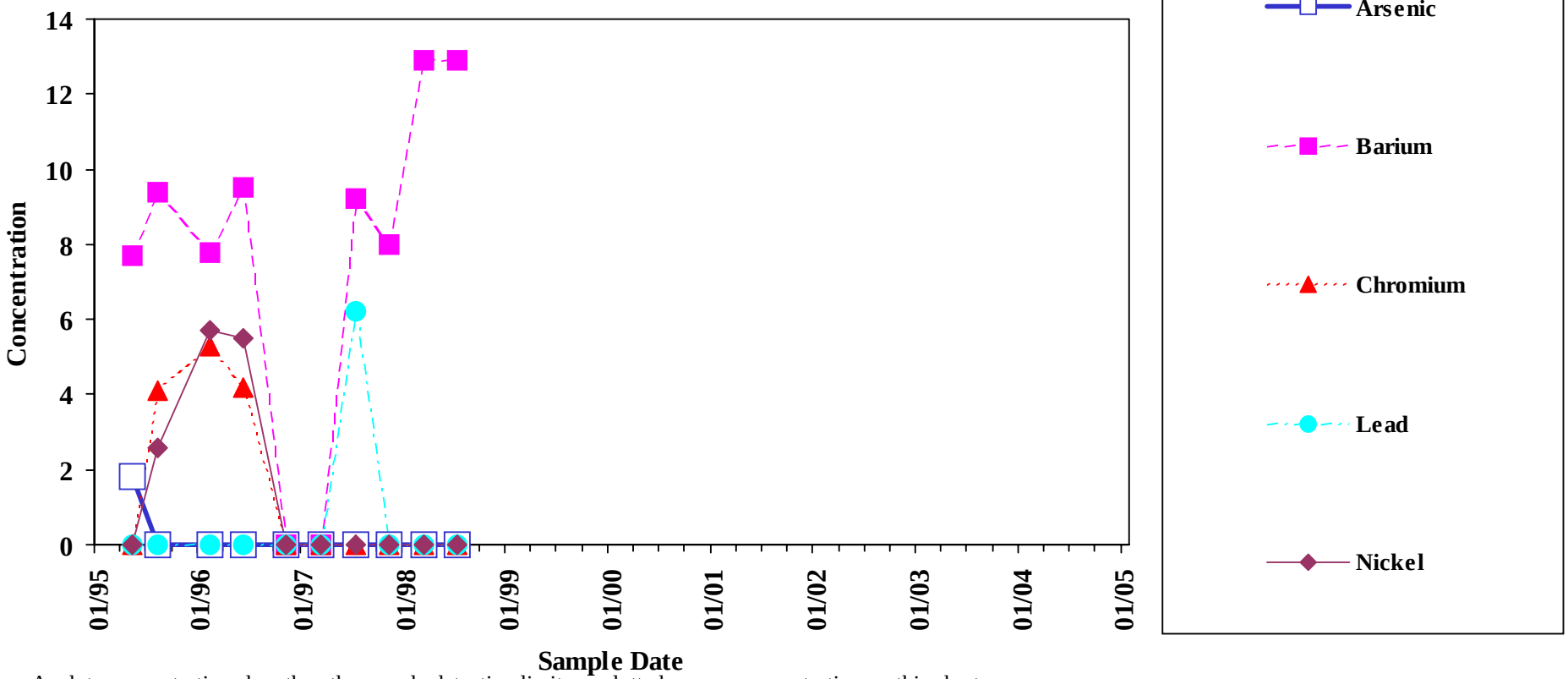
Sample Location:

MW-216A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

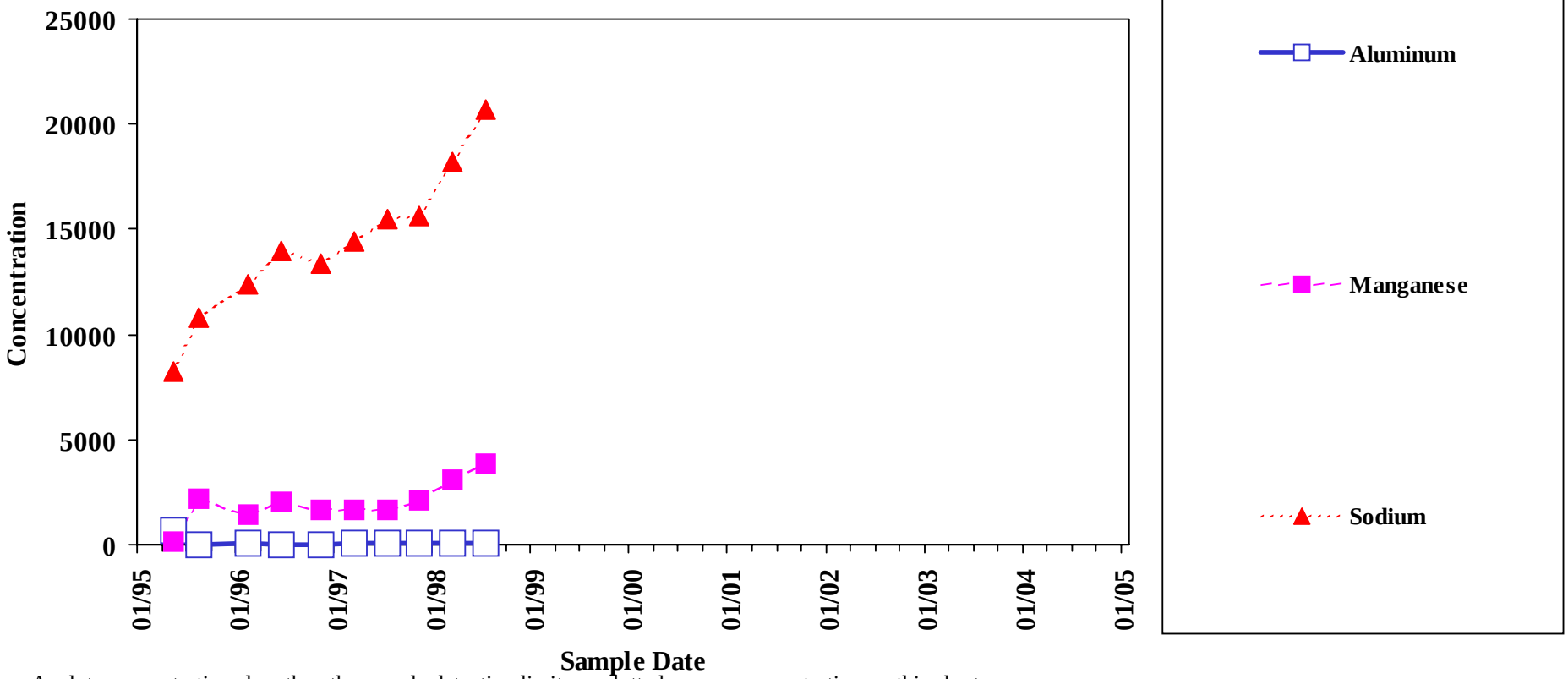
Sample Location:

MW-216A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

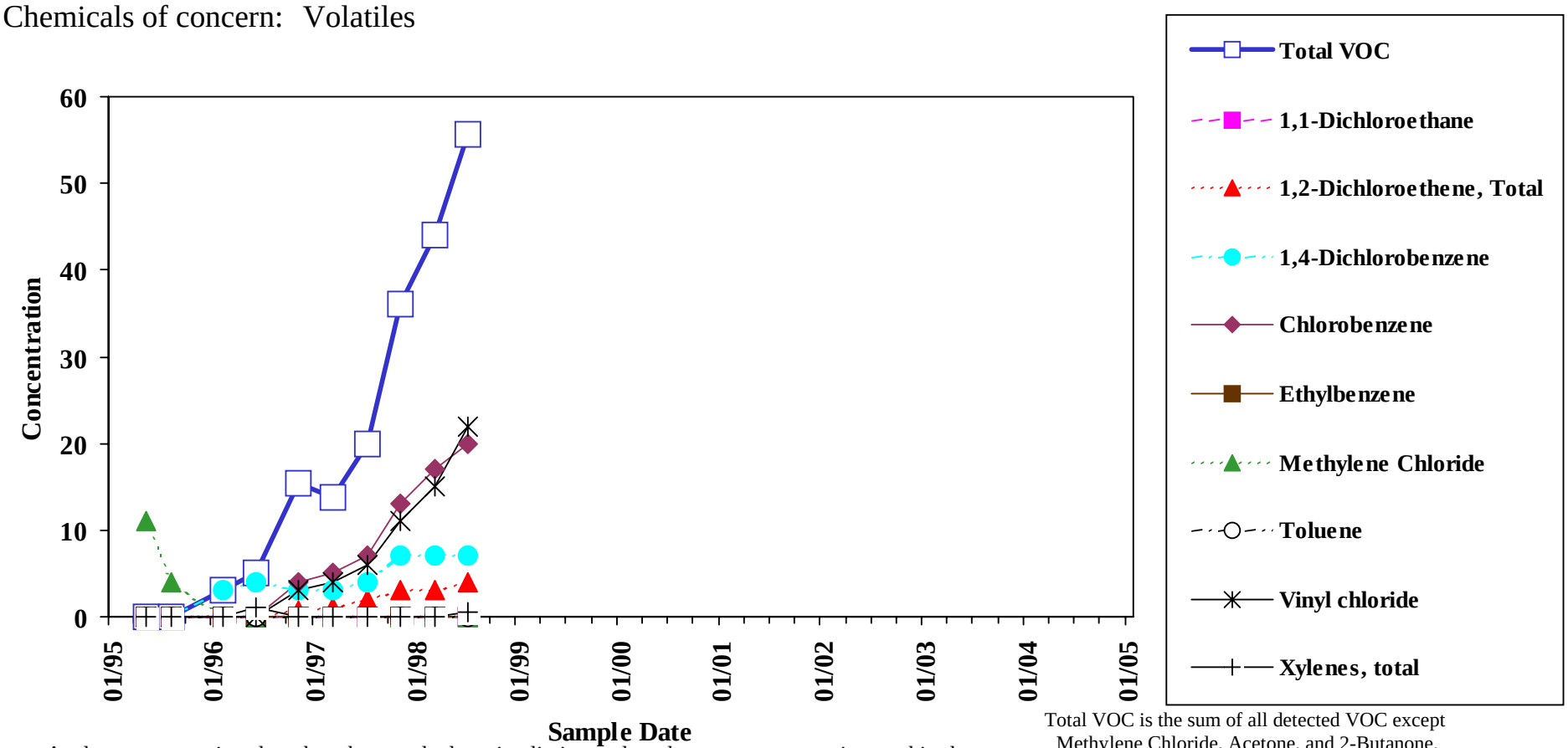
Sample Location:

MW-216A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

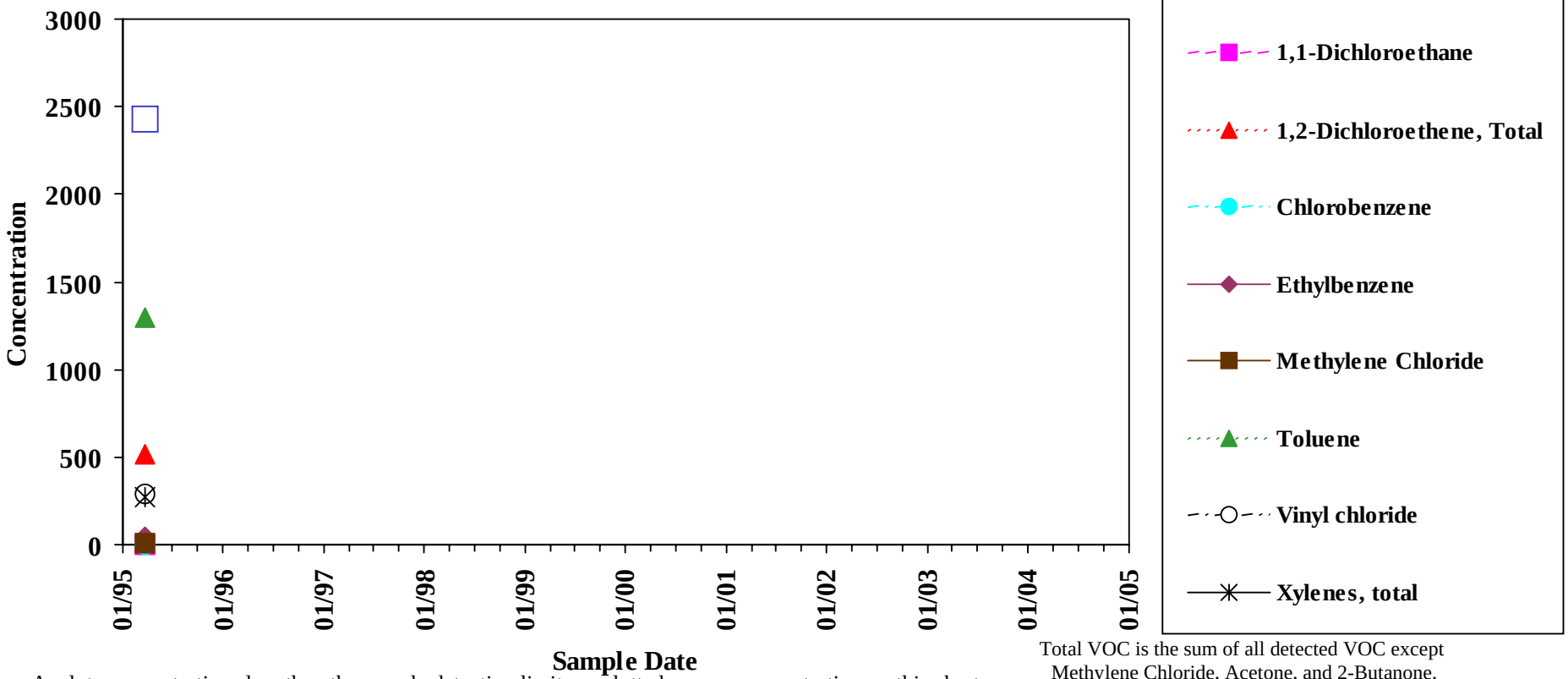
Sample Location:

MW-216B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

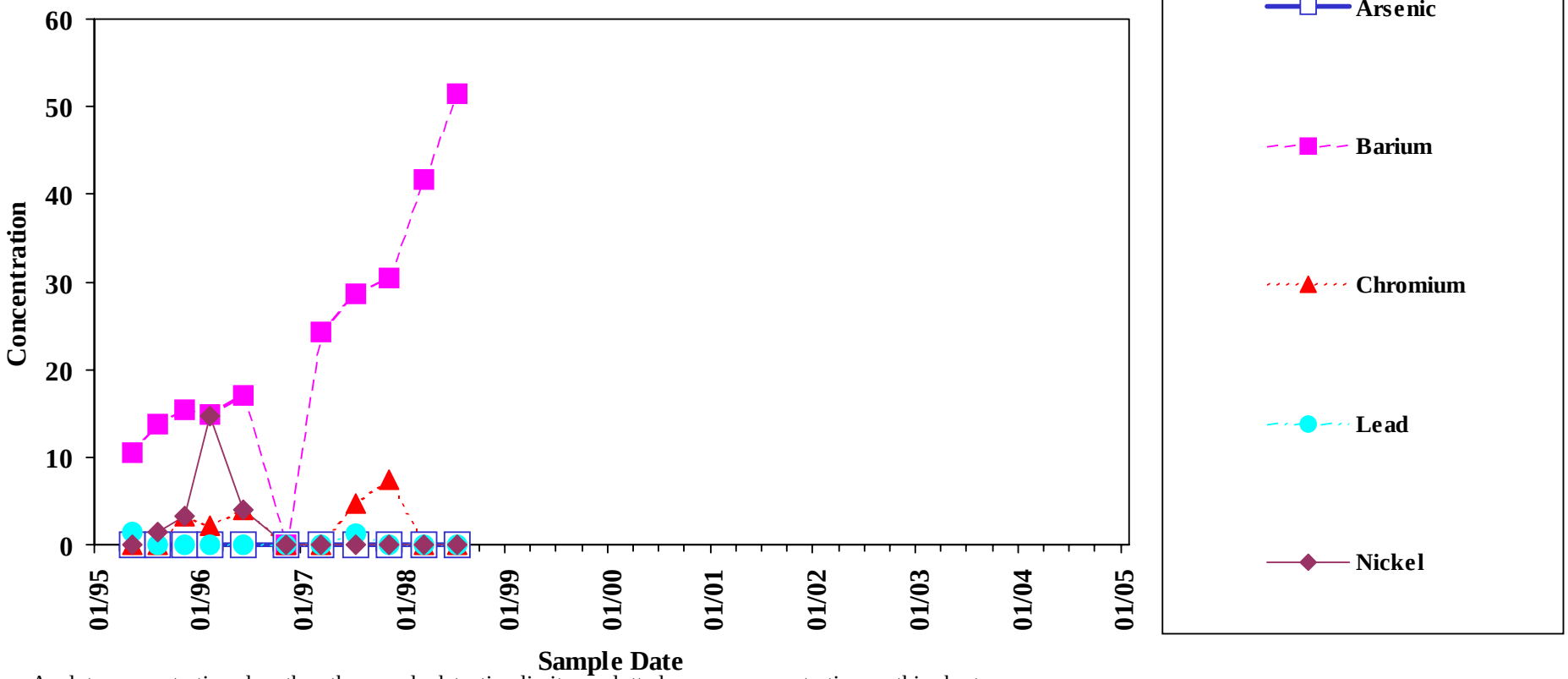
Sample Location:

MW-217A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

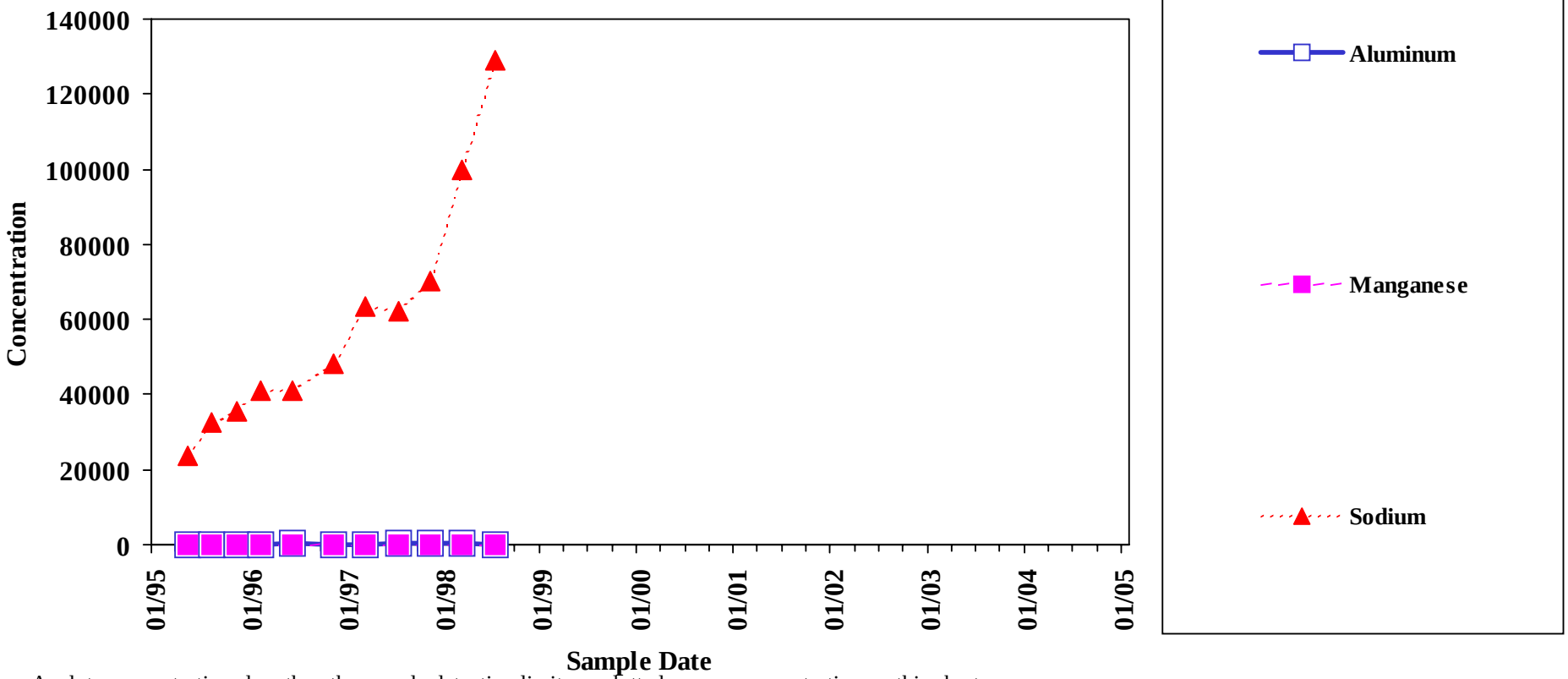
Sample Location:

MW-217A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

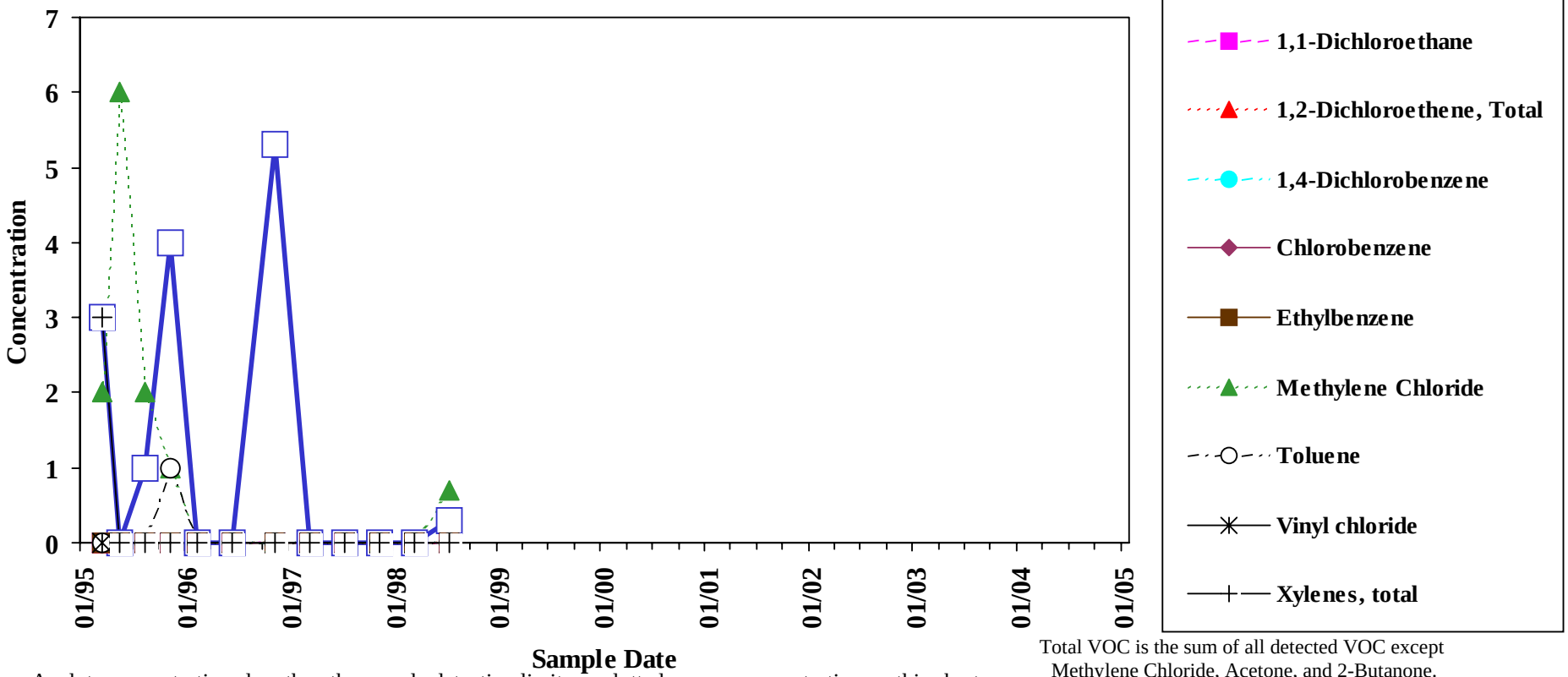
Sample Location:

MW-217A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

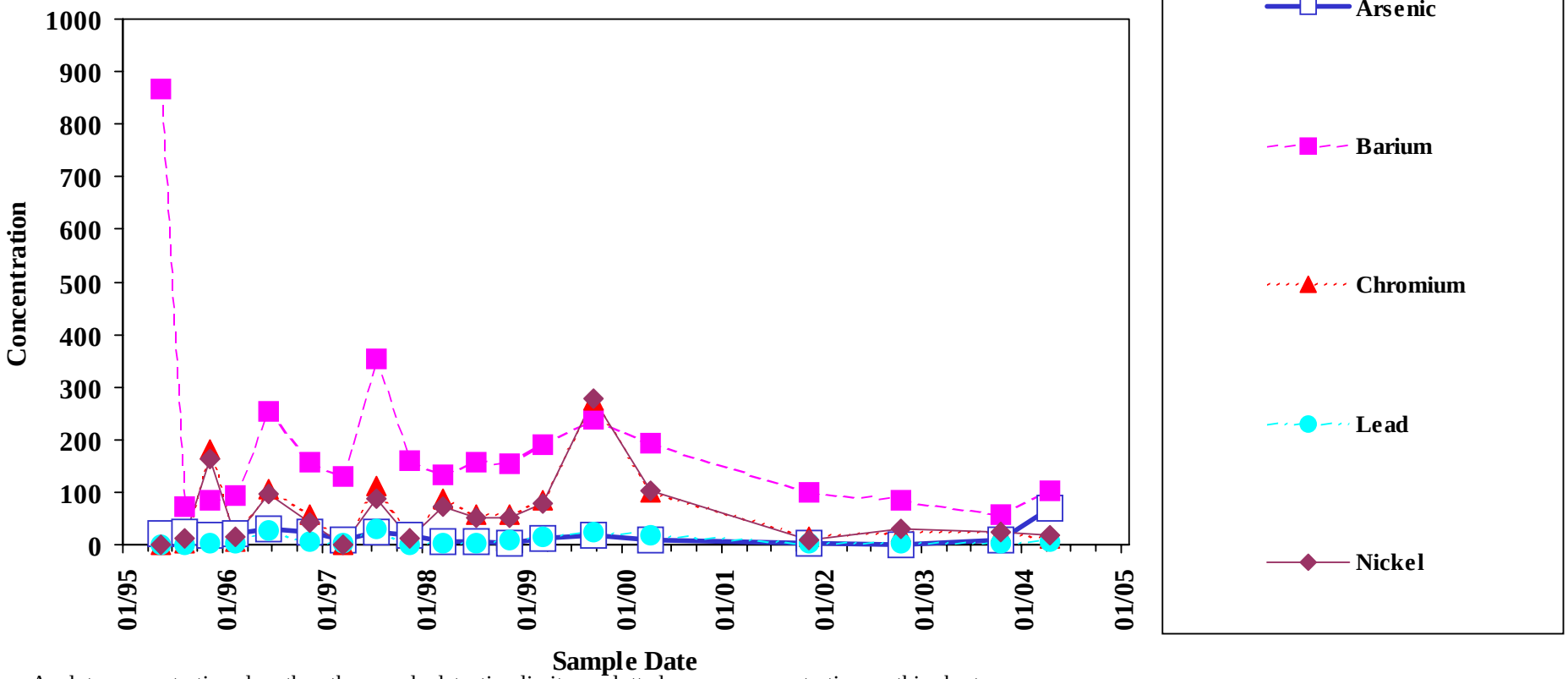
Sample Location:

MW-217B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

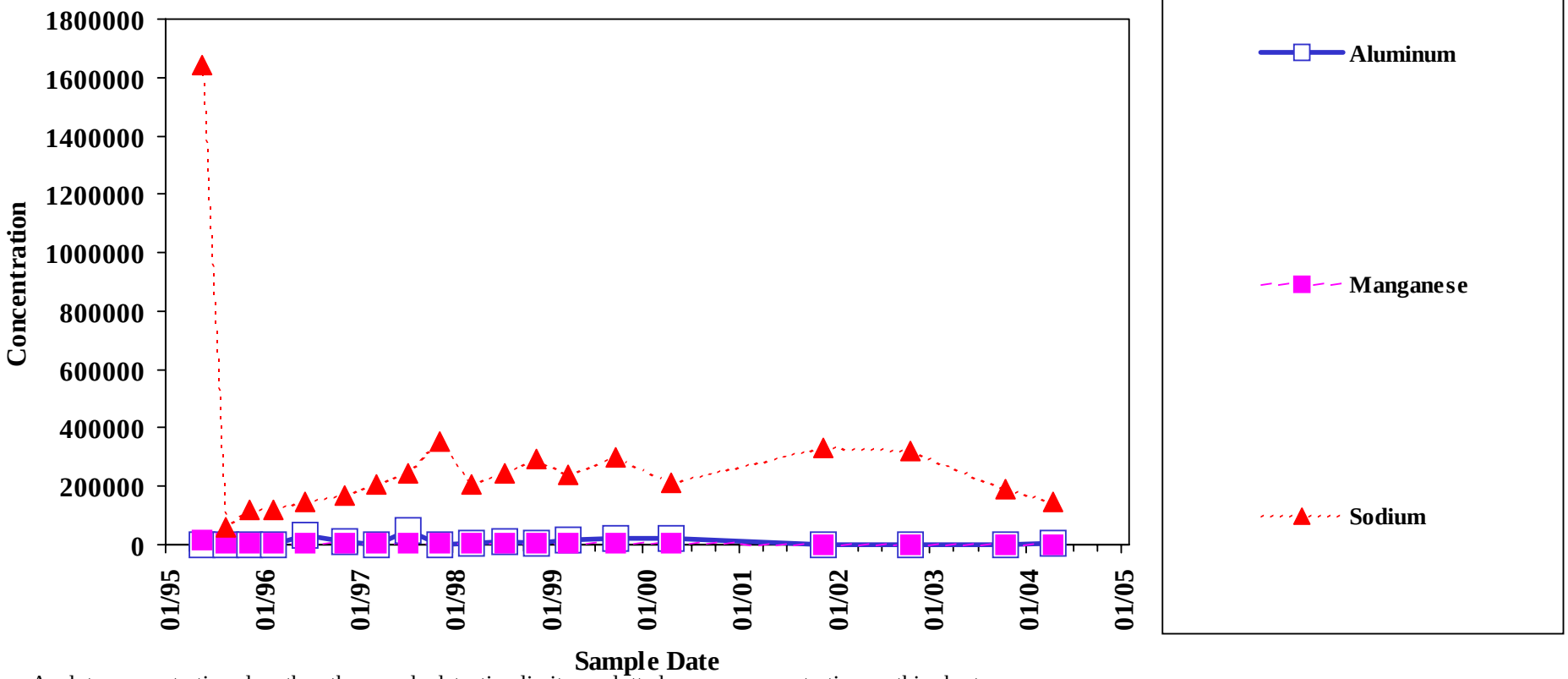
Sample Location:

MW-217B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

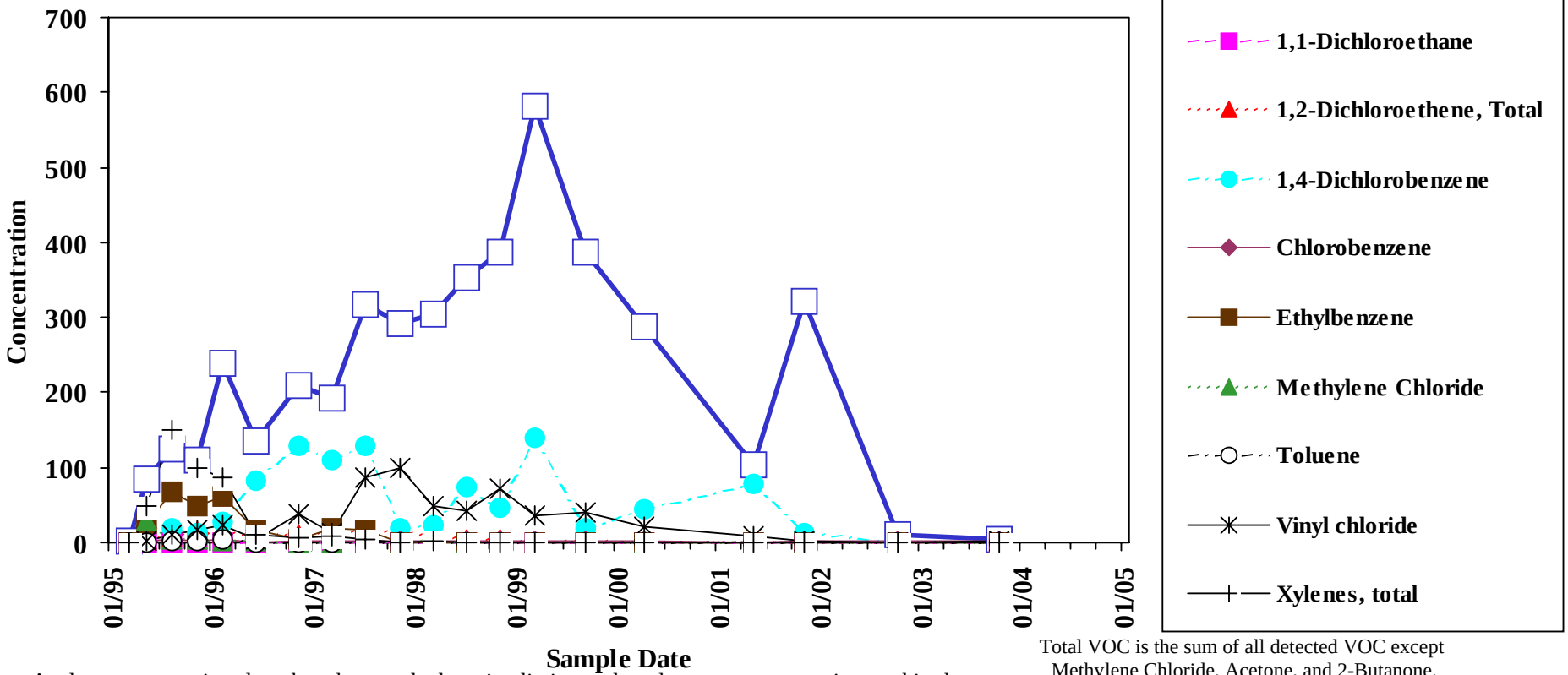
Sample Location:

MW-217B

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

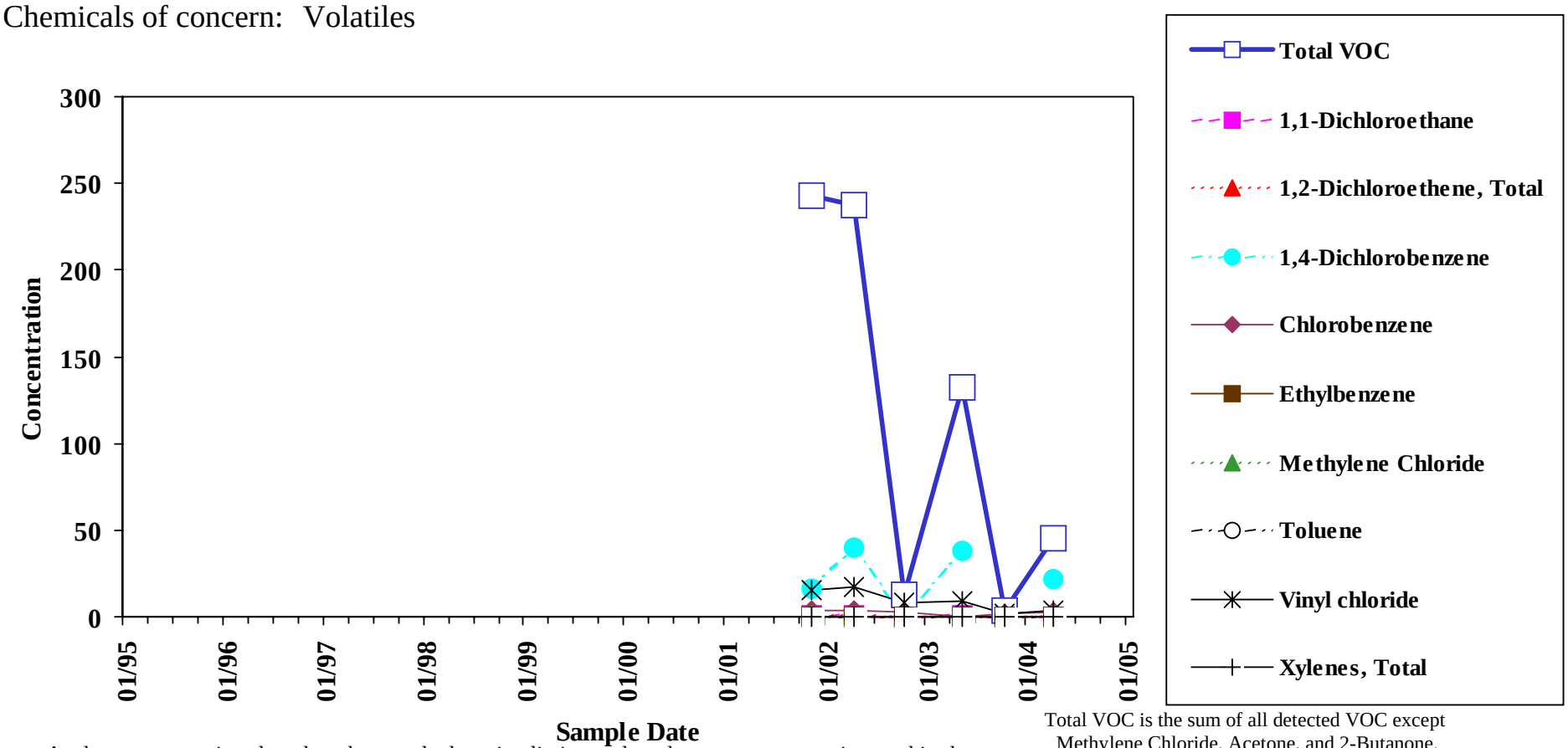
Sample Location:

MW-217B

Deep Diffusion Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

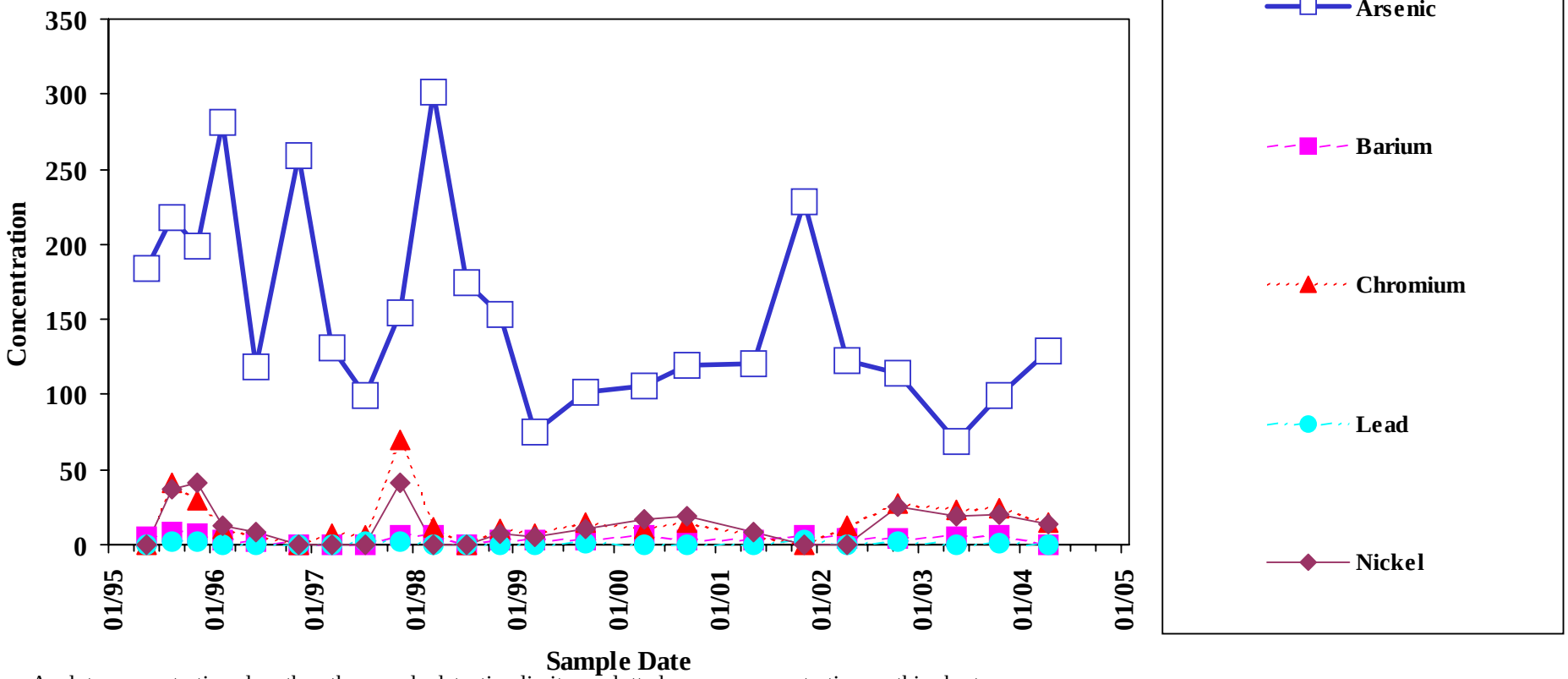
Sample Location:

MW-218

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

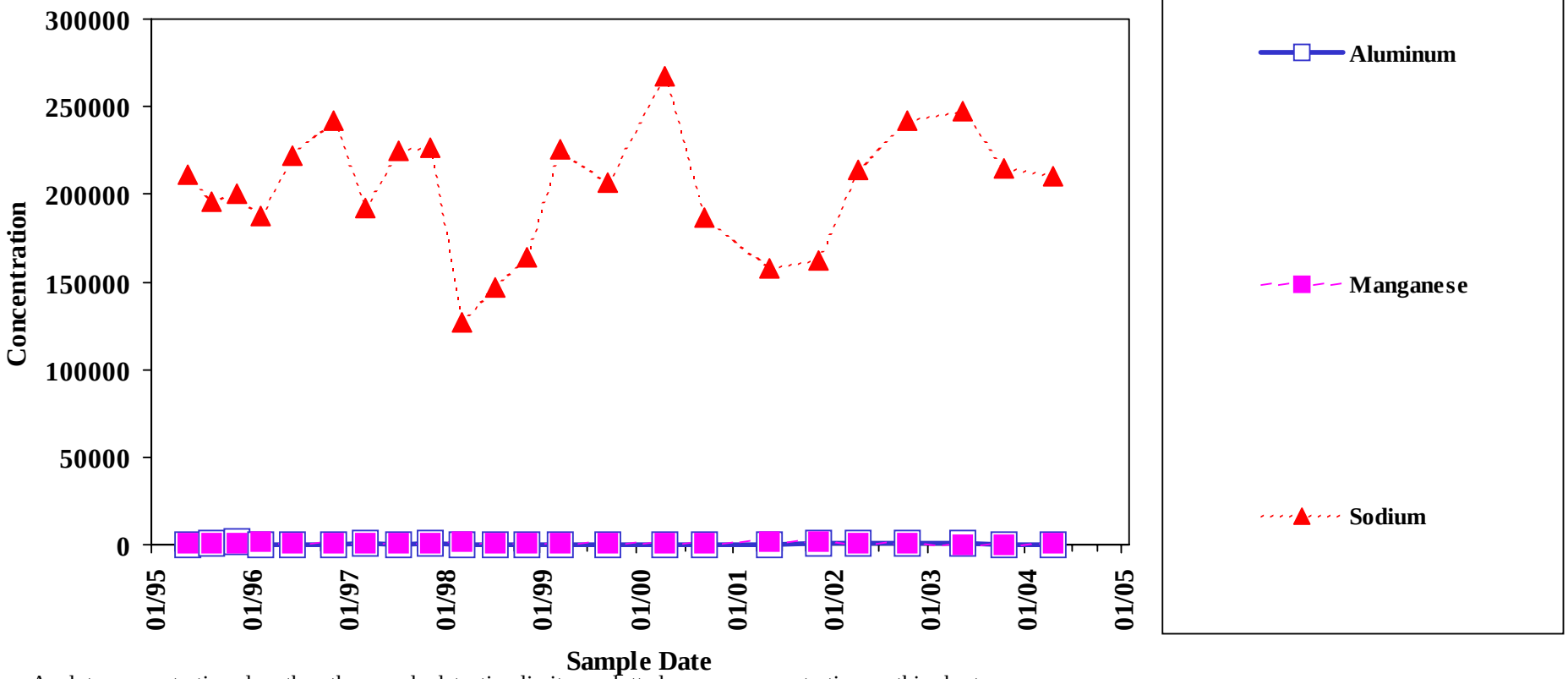
Sample Location:

MW-218

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

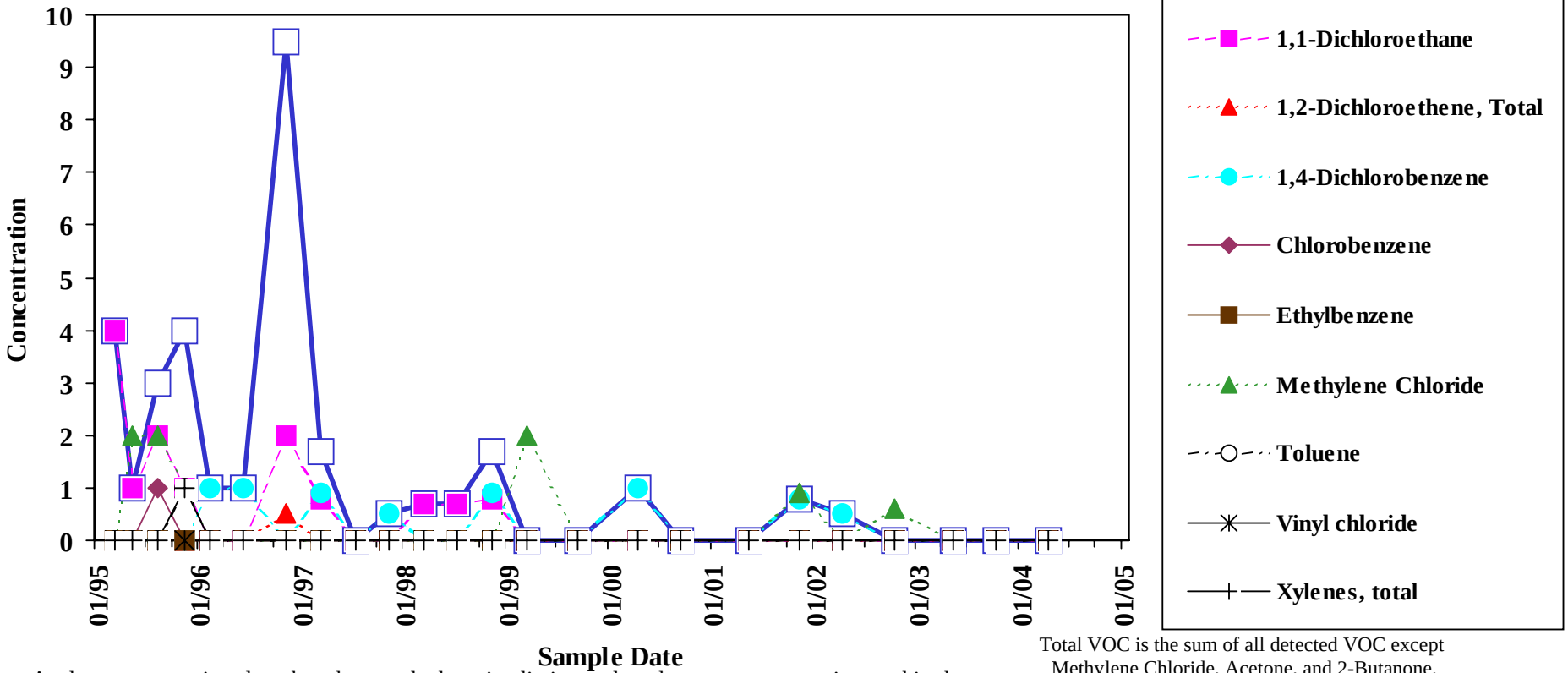
Sample Location:

MW-218

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

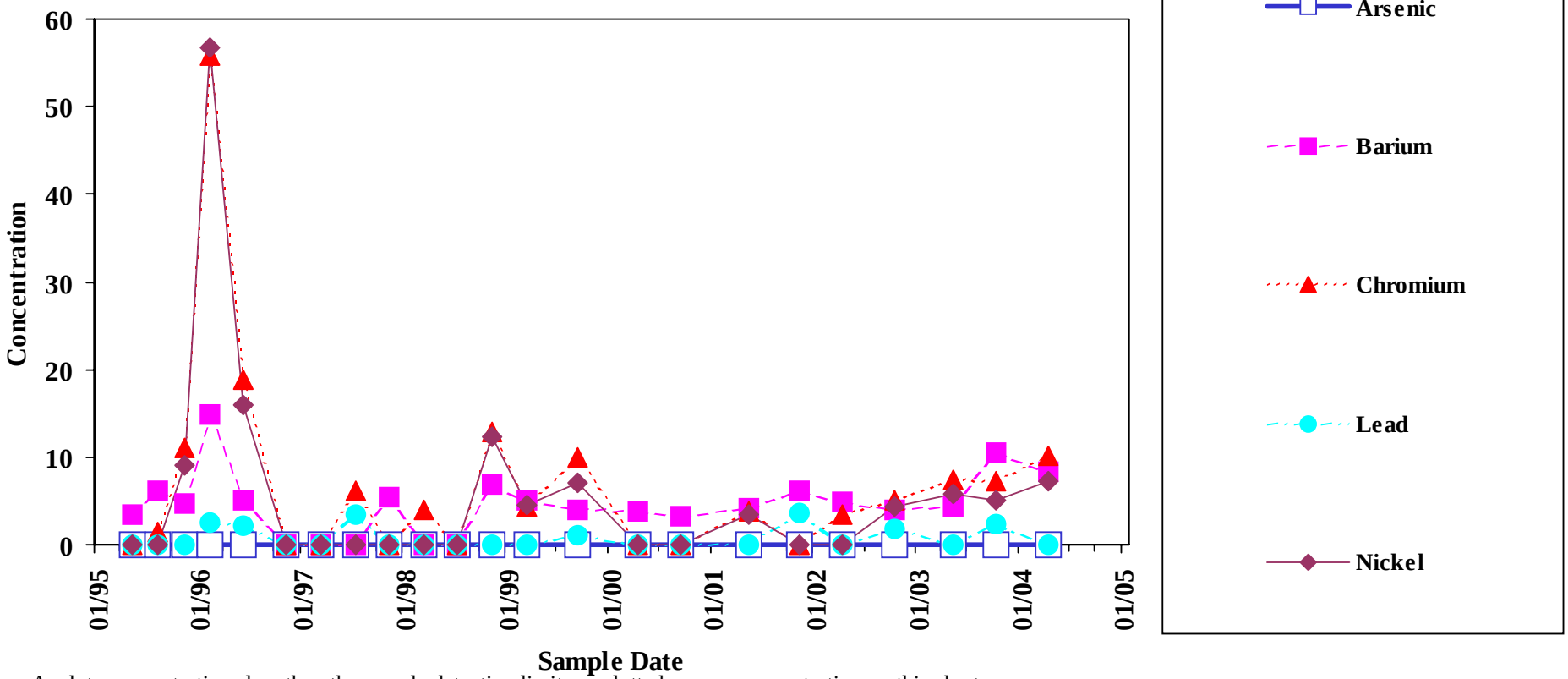
Sample Location:

MW-219

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

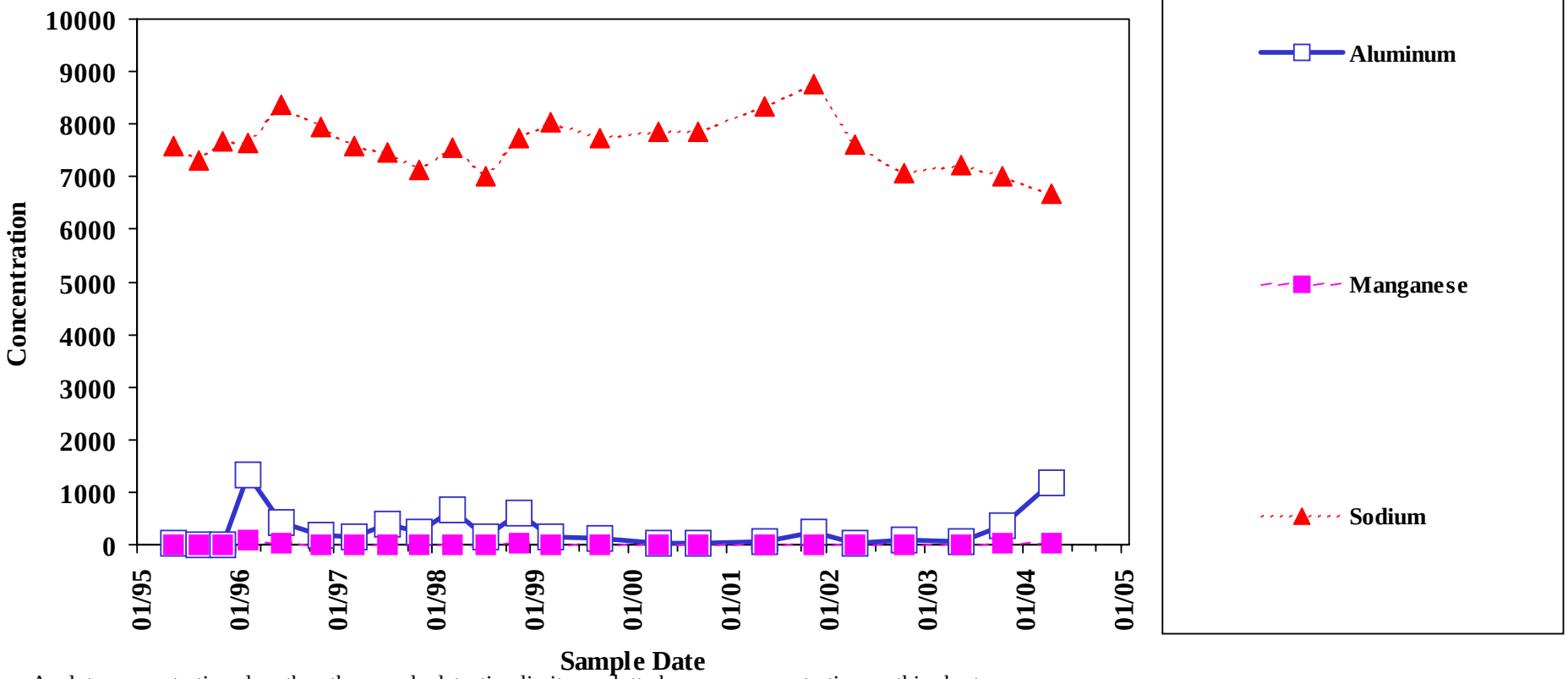
Sample Location:

MW-219

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

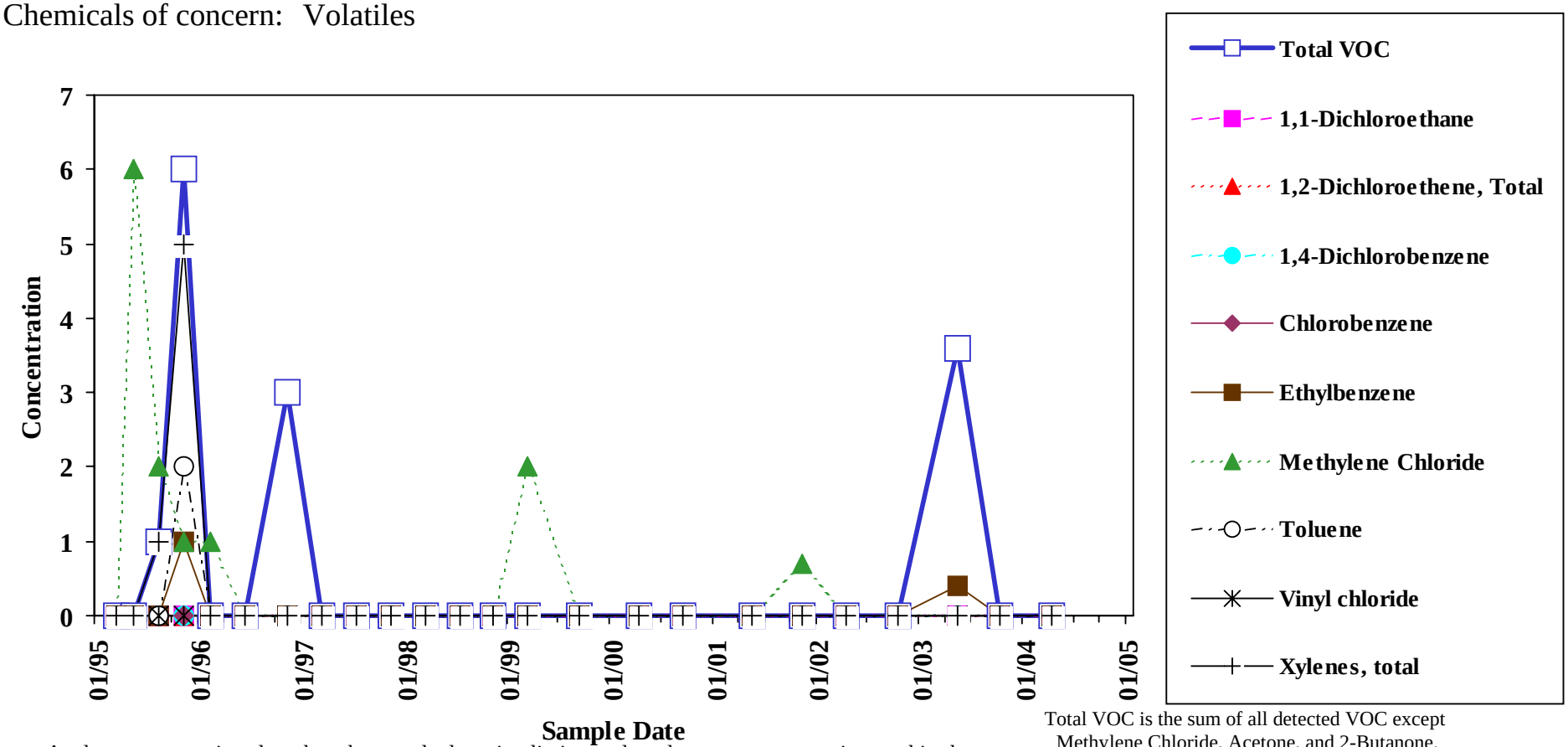
Sample Location:

MW-219

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

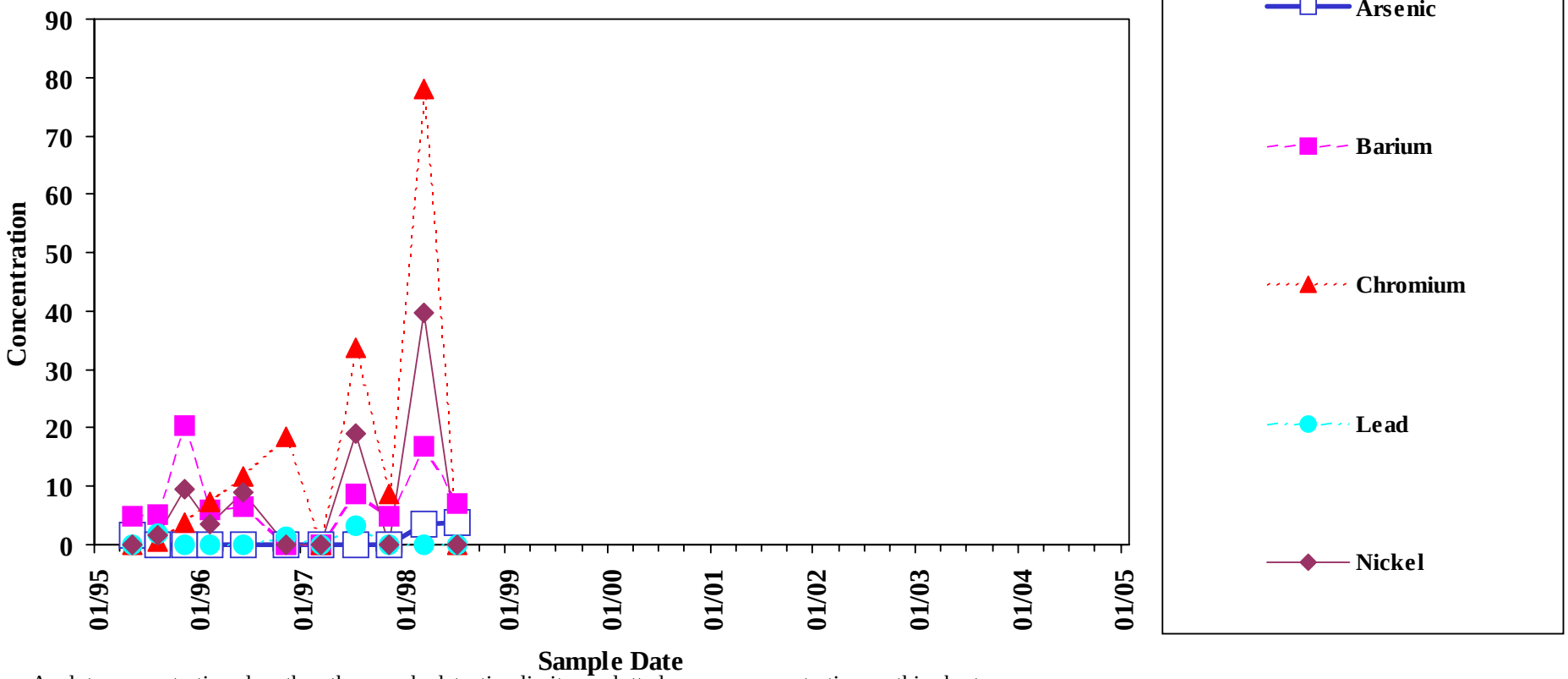
Sample Location:

MW-220

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

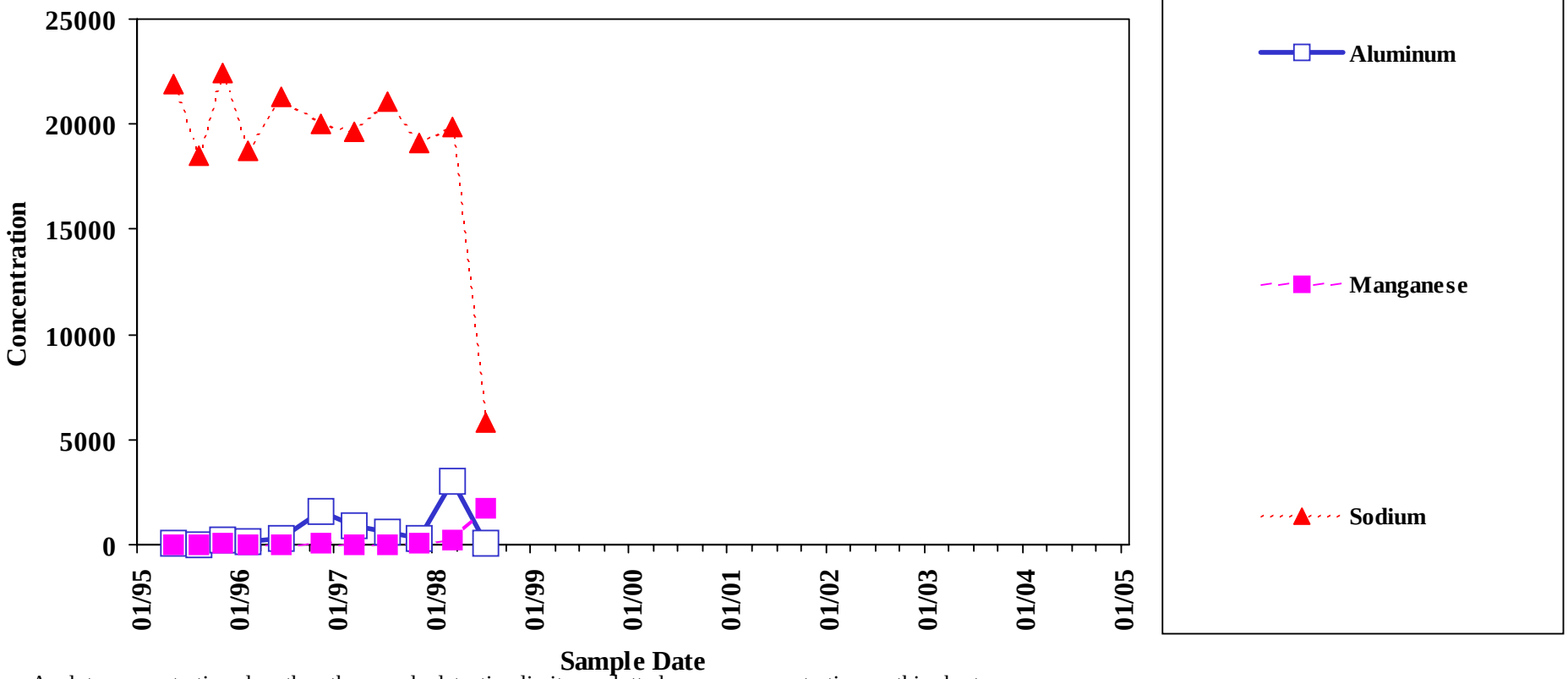
Sample Location:

MW-220

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

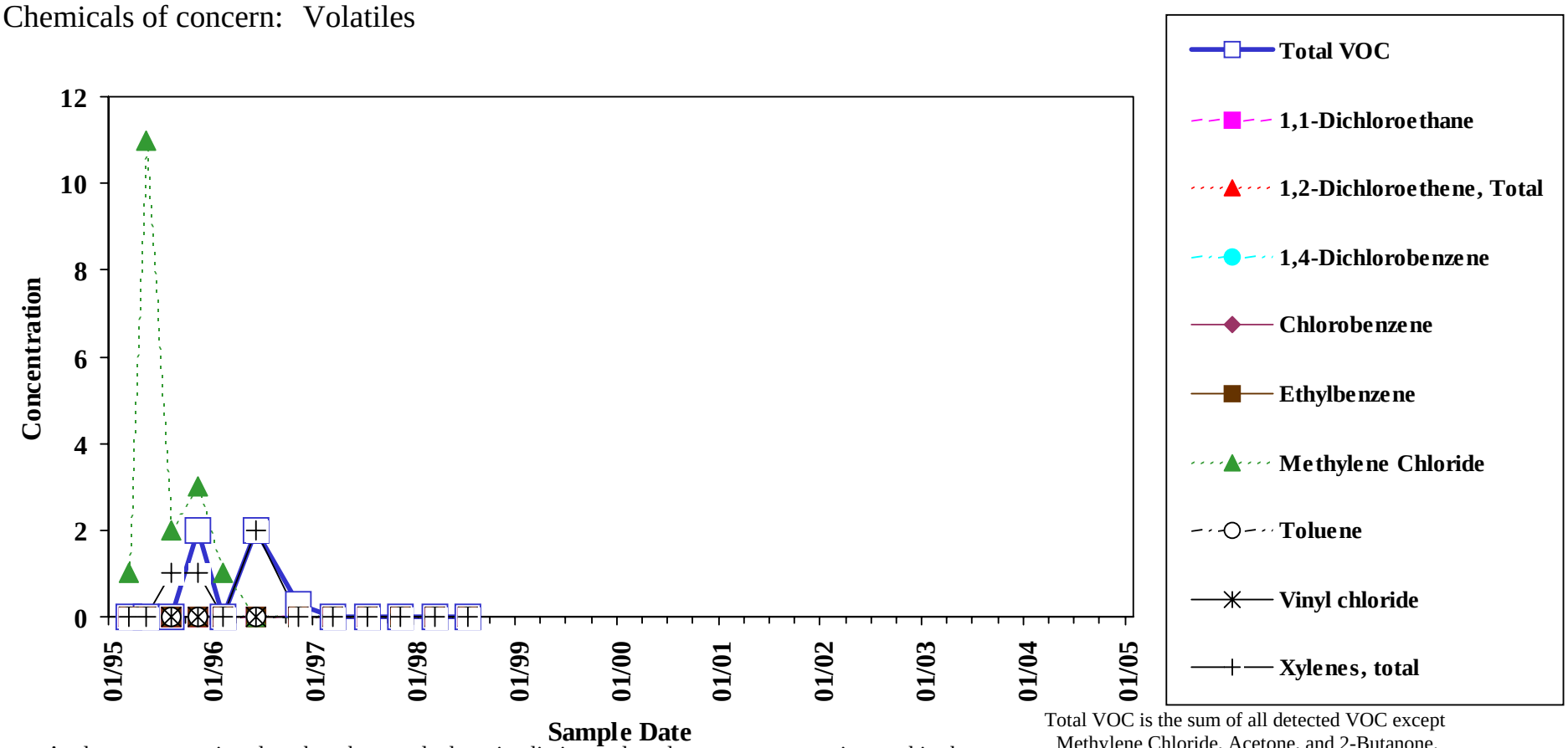
Sample Location:

MW-220

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

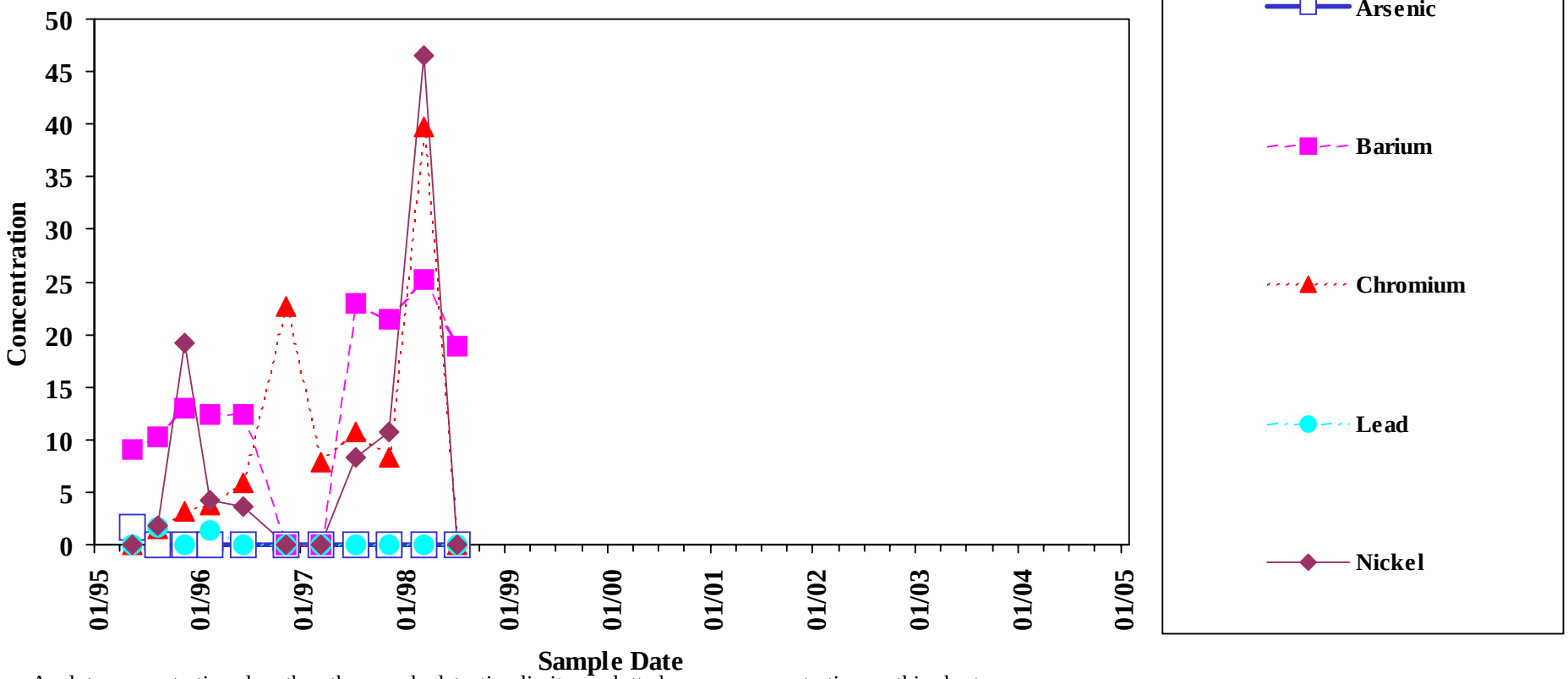
Sample Location:

MW-232A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

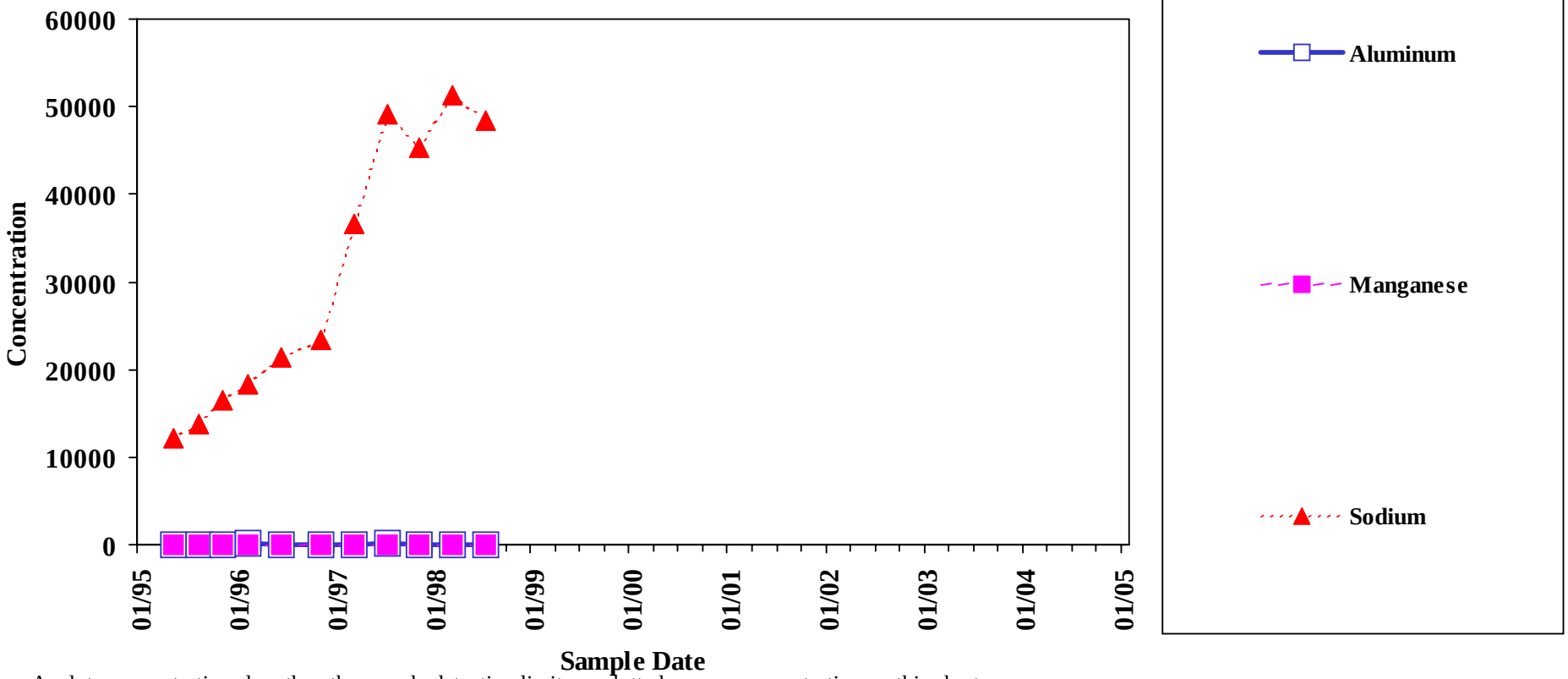
Sample Location:

MW-232A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

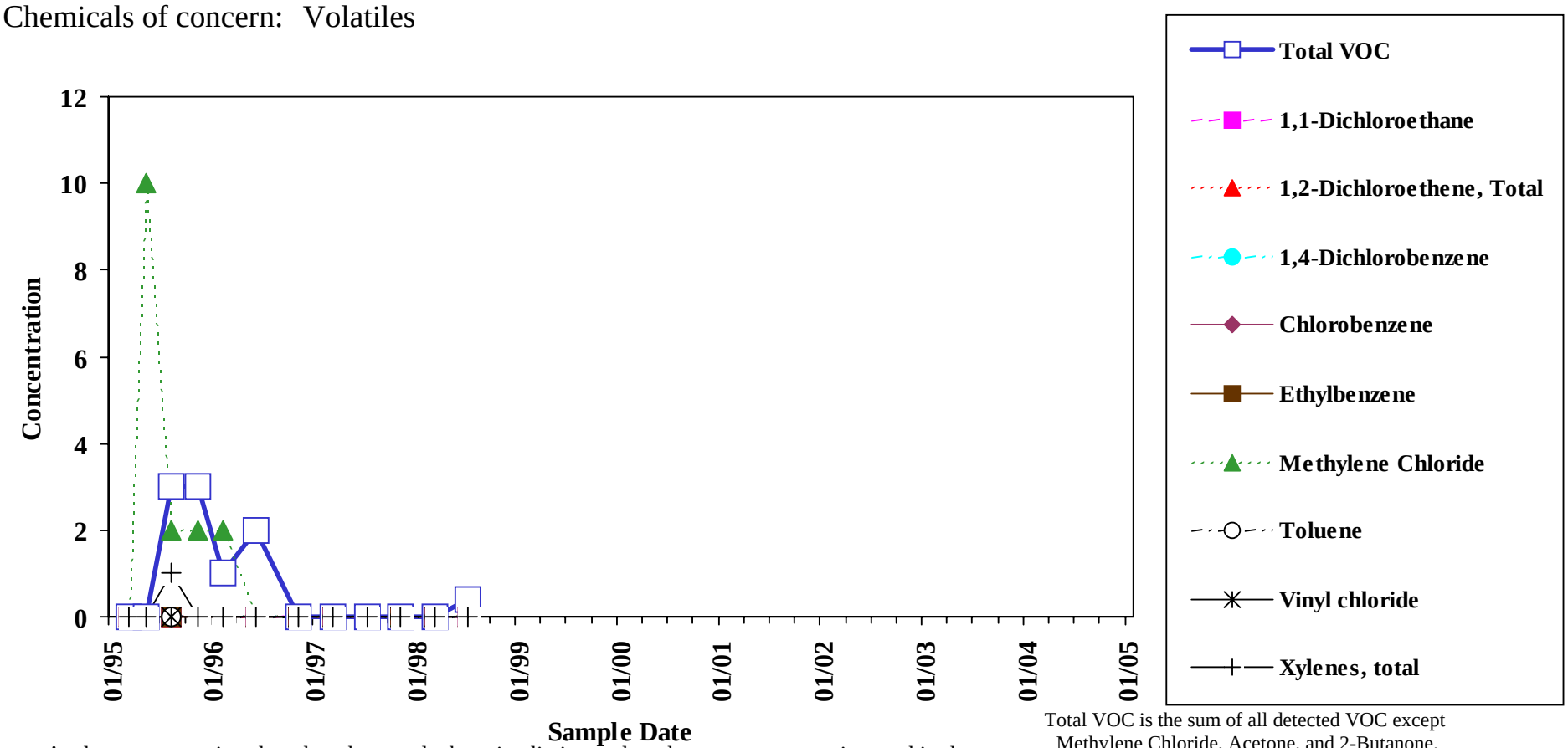
Sample Location:

MW-232A

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

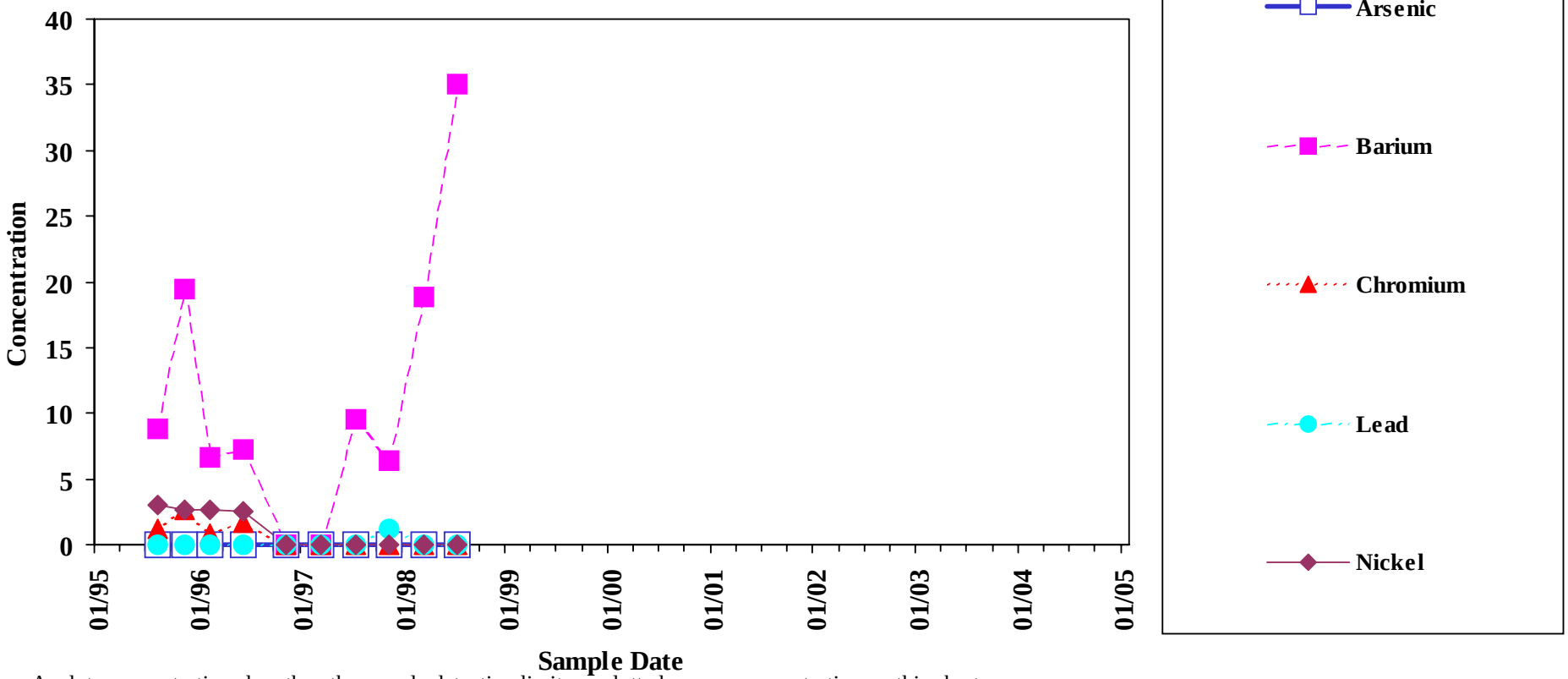
Sample Location:

MW-234R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

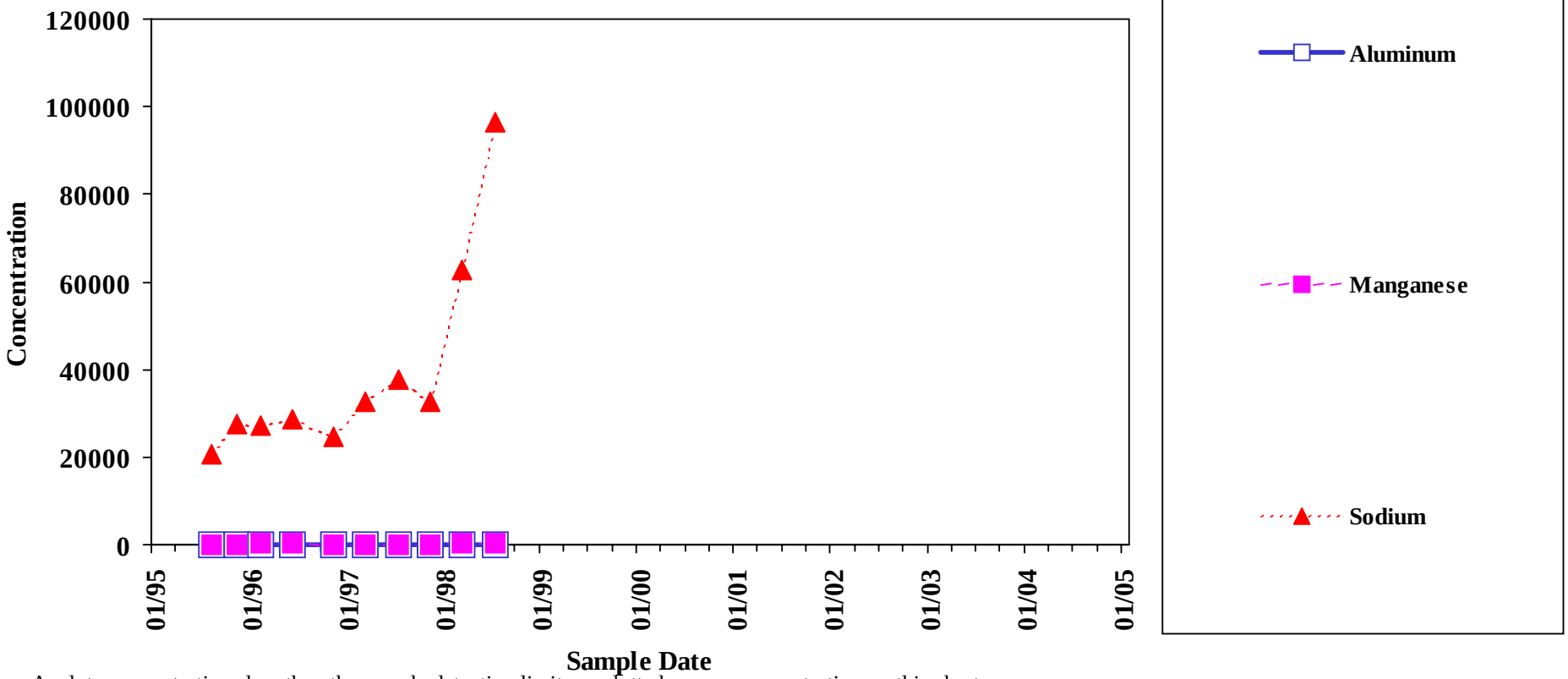
Sample Location:

MW-234R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

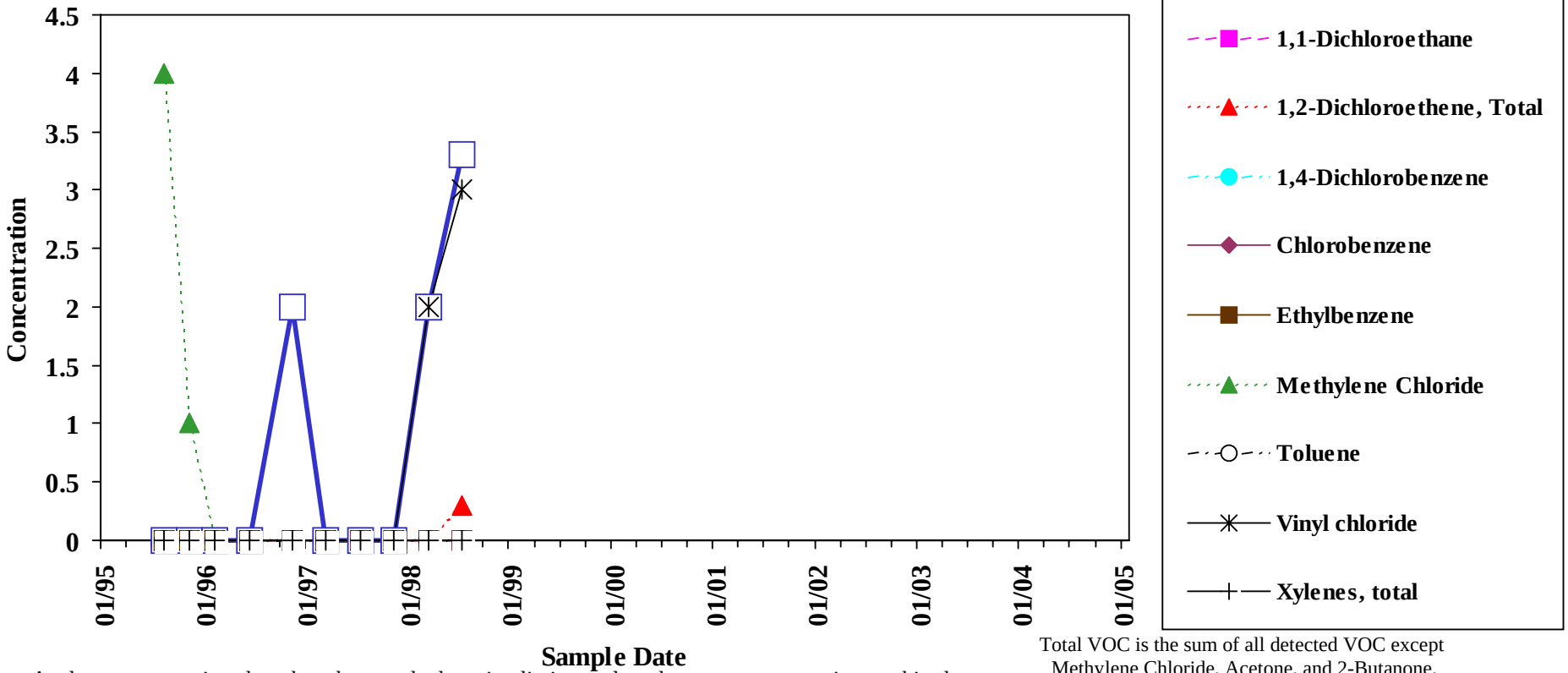
Sample Location:

MW-234R

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

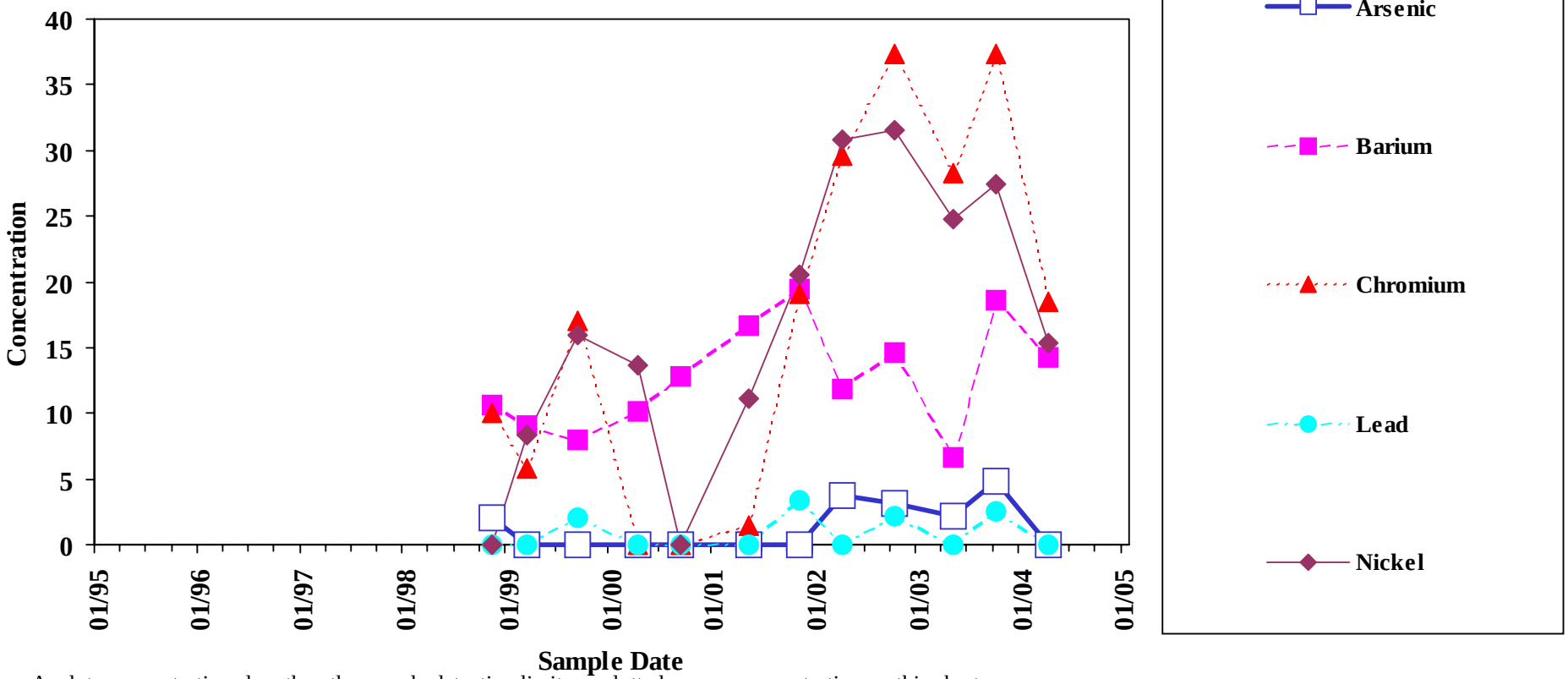
Sample Location:

MW-240

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

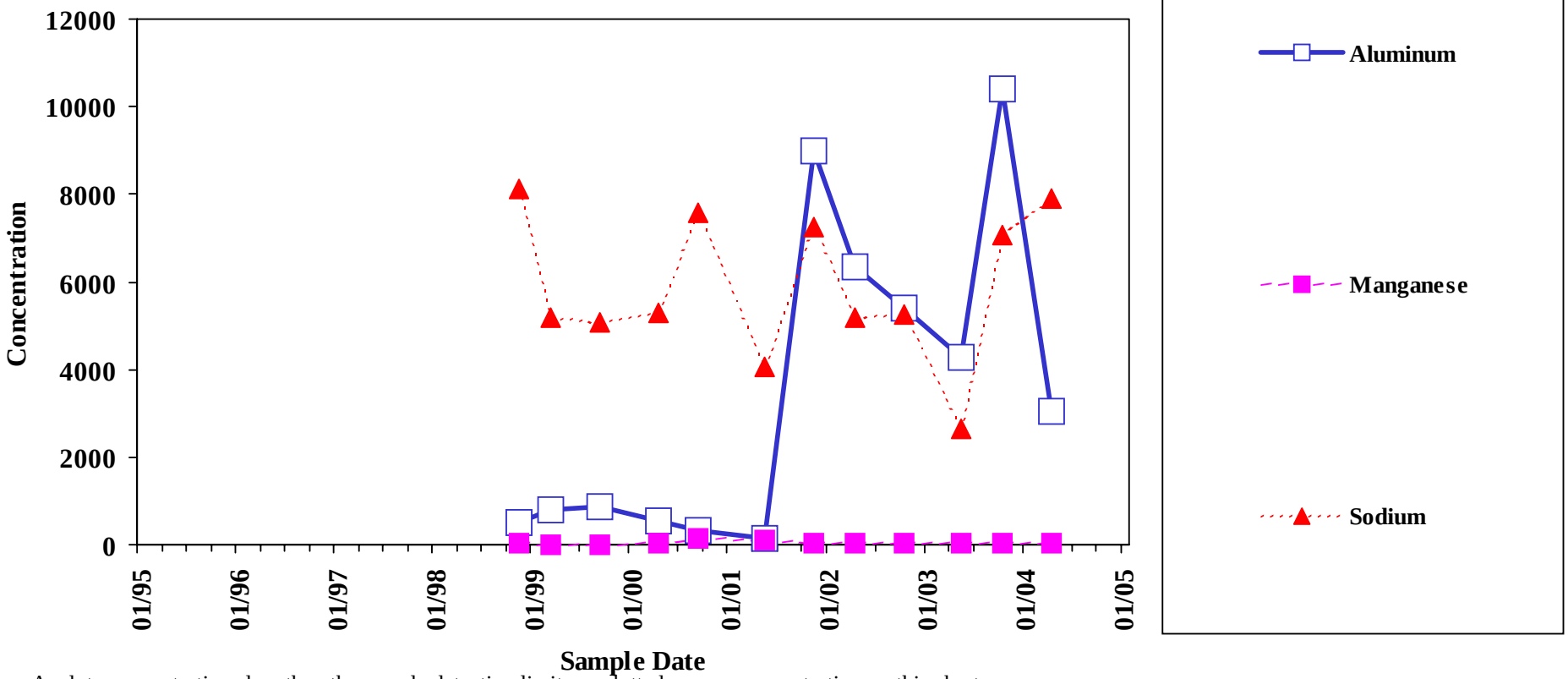
Sample Location:

MW-240

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

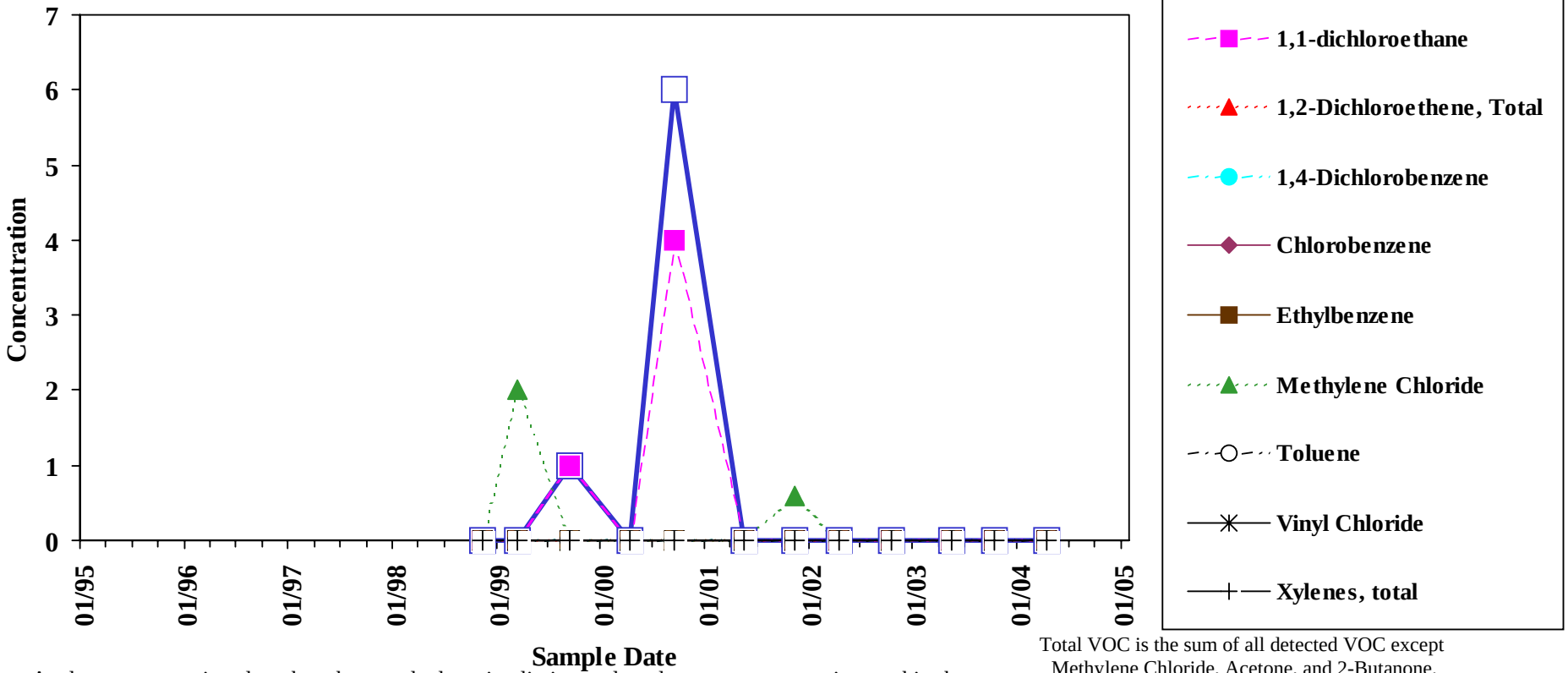
Sample Location:

MW-240

Low-flow Sample

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

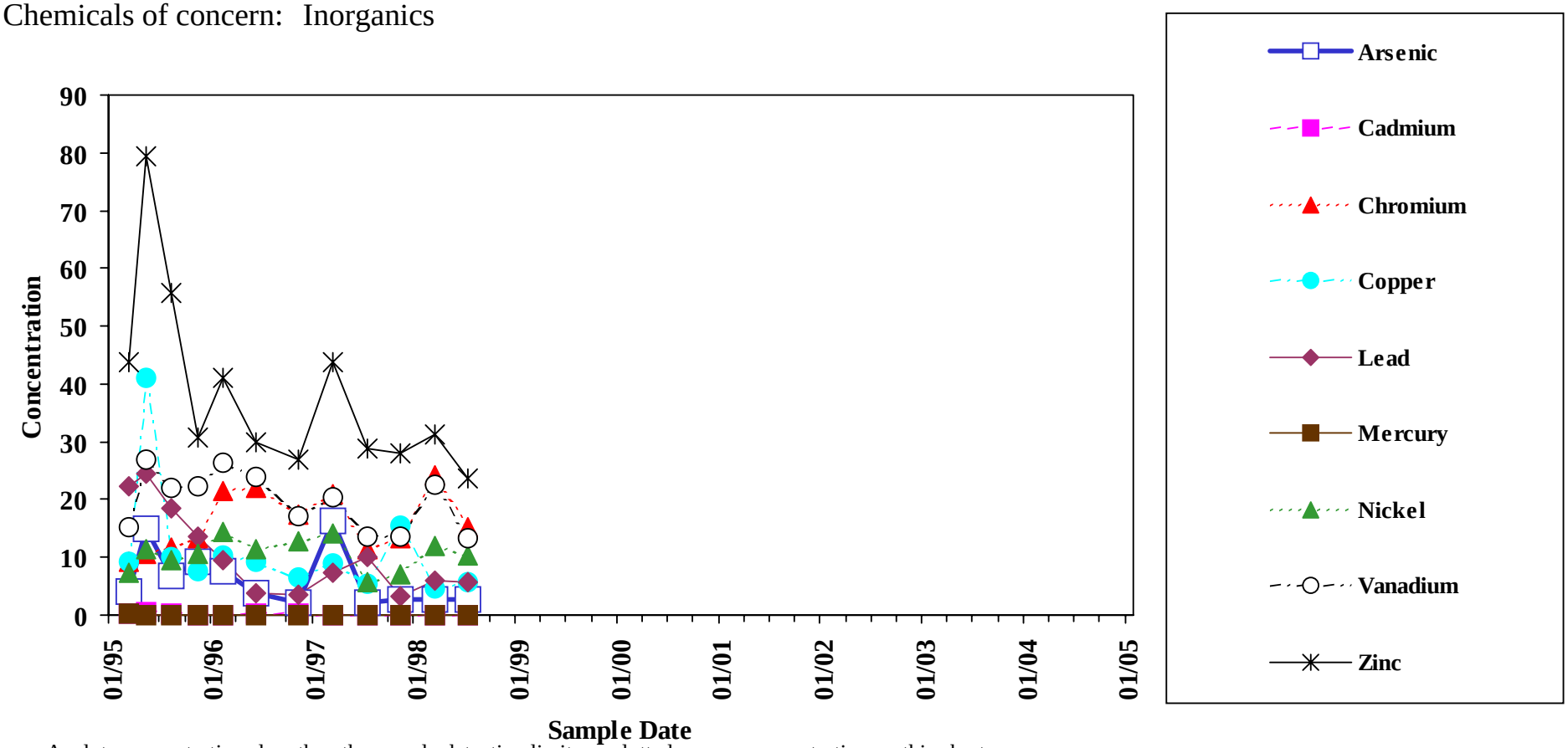
Sample Location:

SED-01

Sites 1 & 3

Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

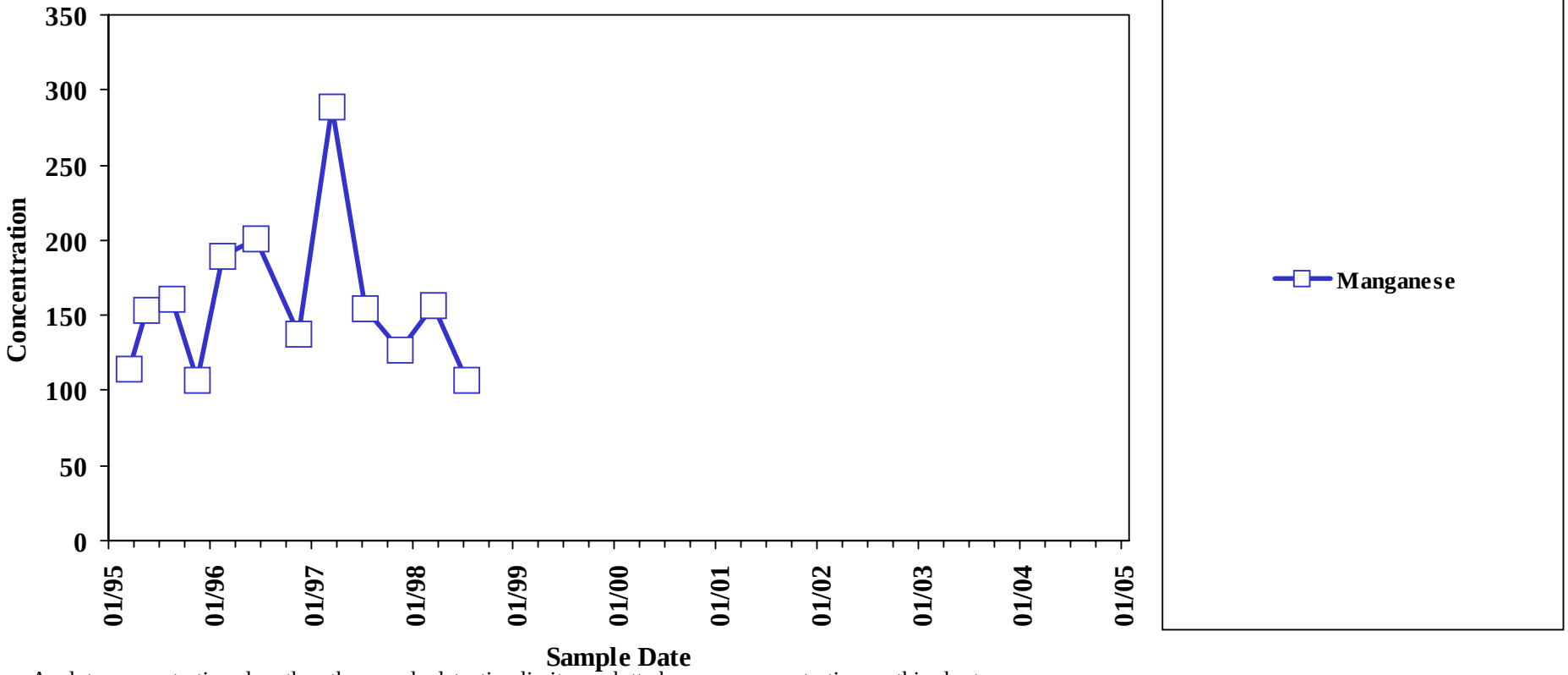
Sample concentration units: mg/Kg

Sample Location:

SED-01

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

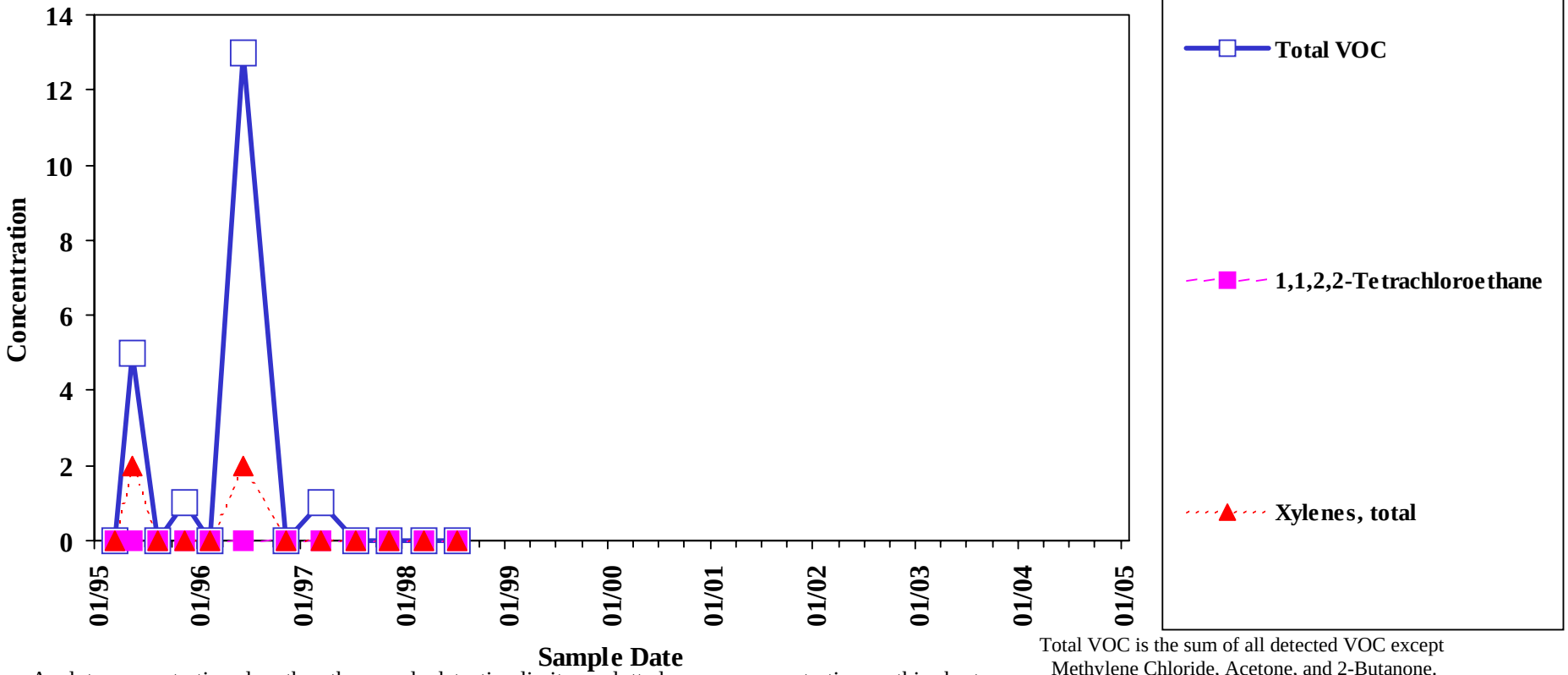
Sample concentration units: mg/Kg

Sample Location:

SED-01

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

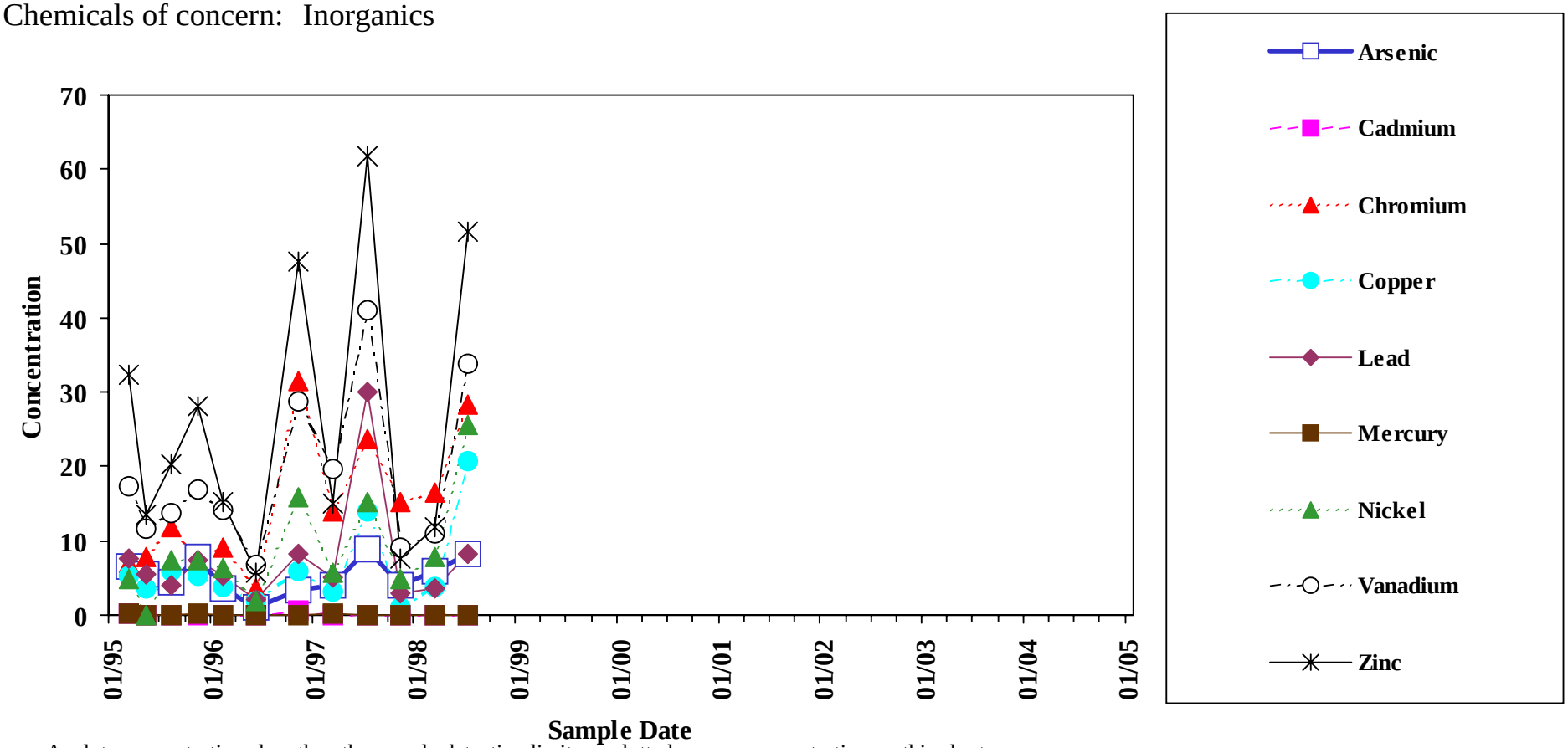
Sample concentration units: µg/Kg

Sample Location:

SED-02

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

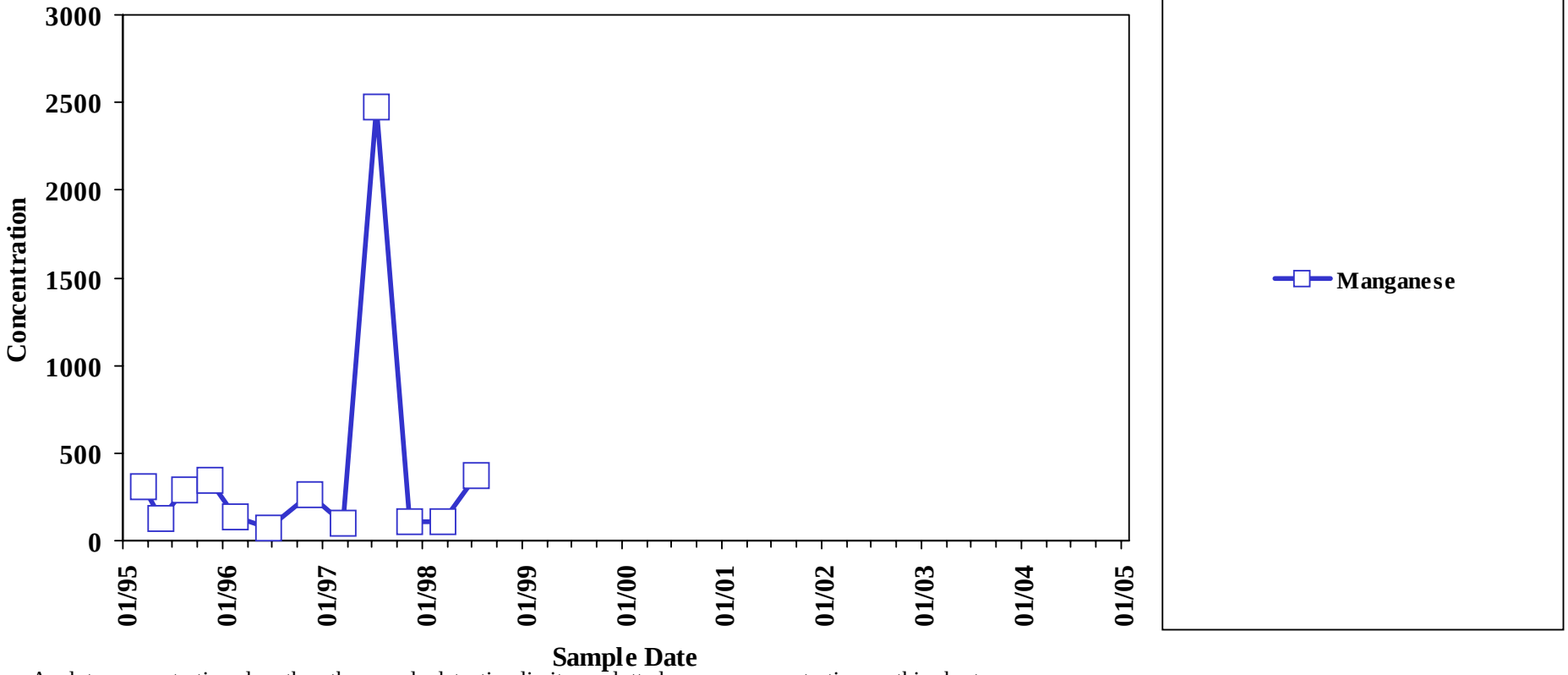
Sample concentration units: mg/Kg

Sample Location:

SED-02

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

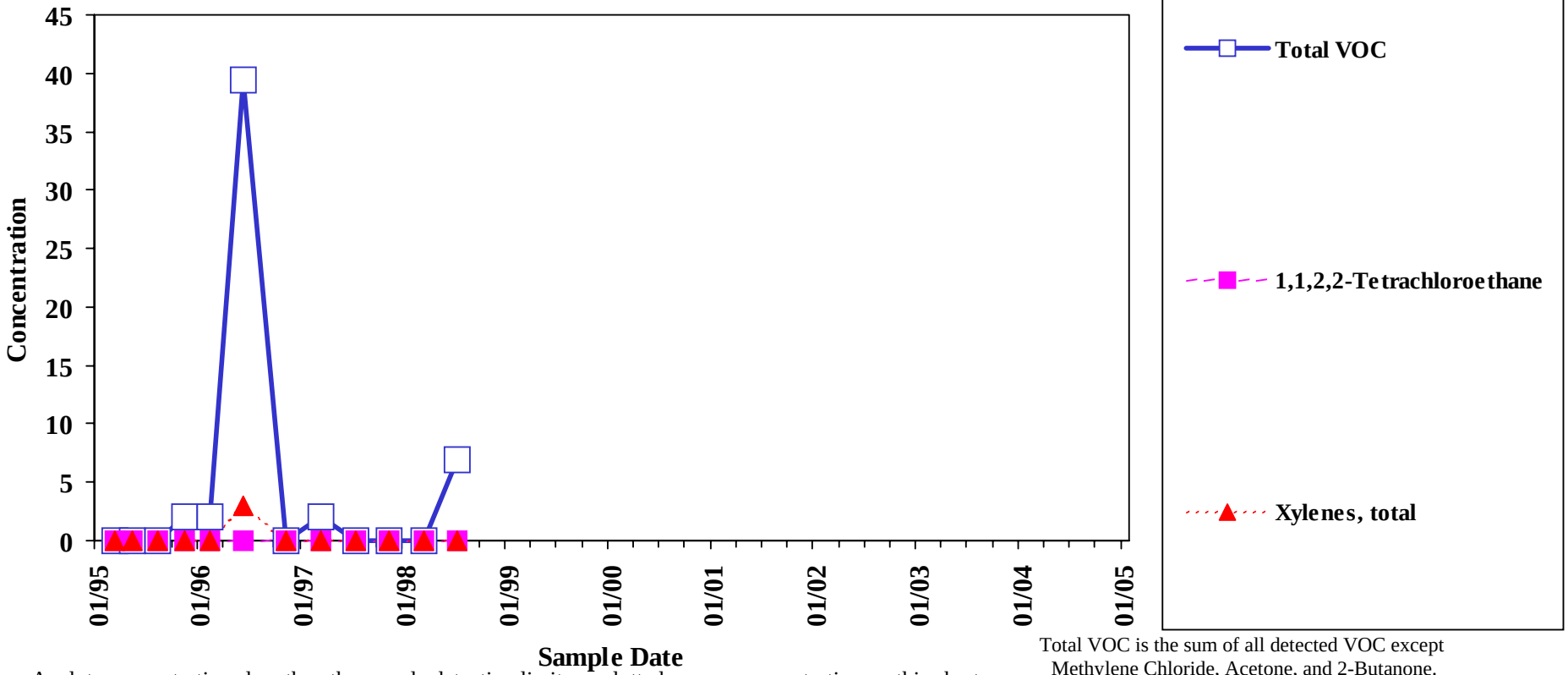
Sample concentration units: mg/Kg

Sample Location:

SED-02

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

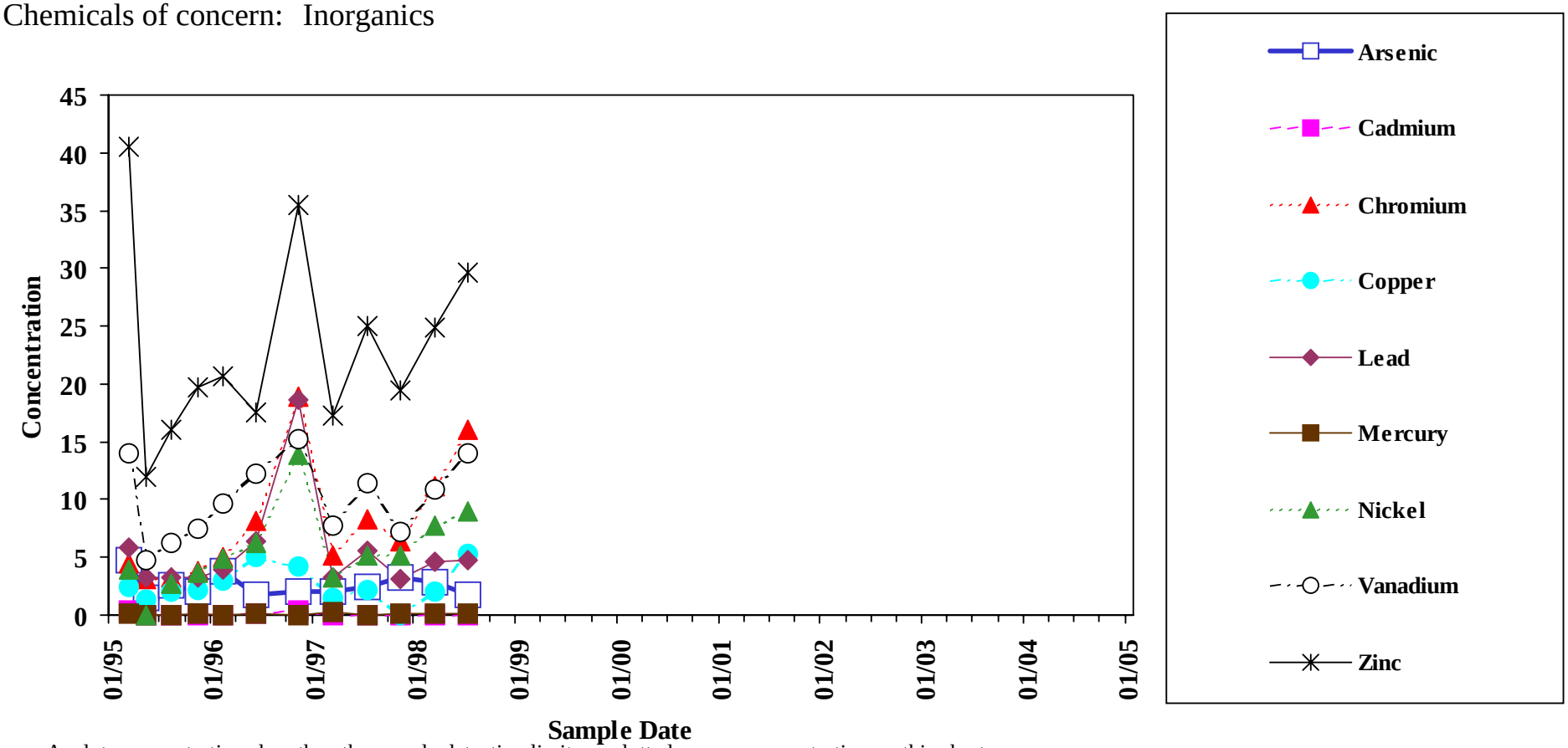
Sample concentration units: µg/Kg

Sample Location:

SED-03

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

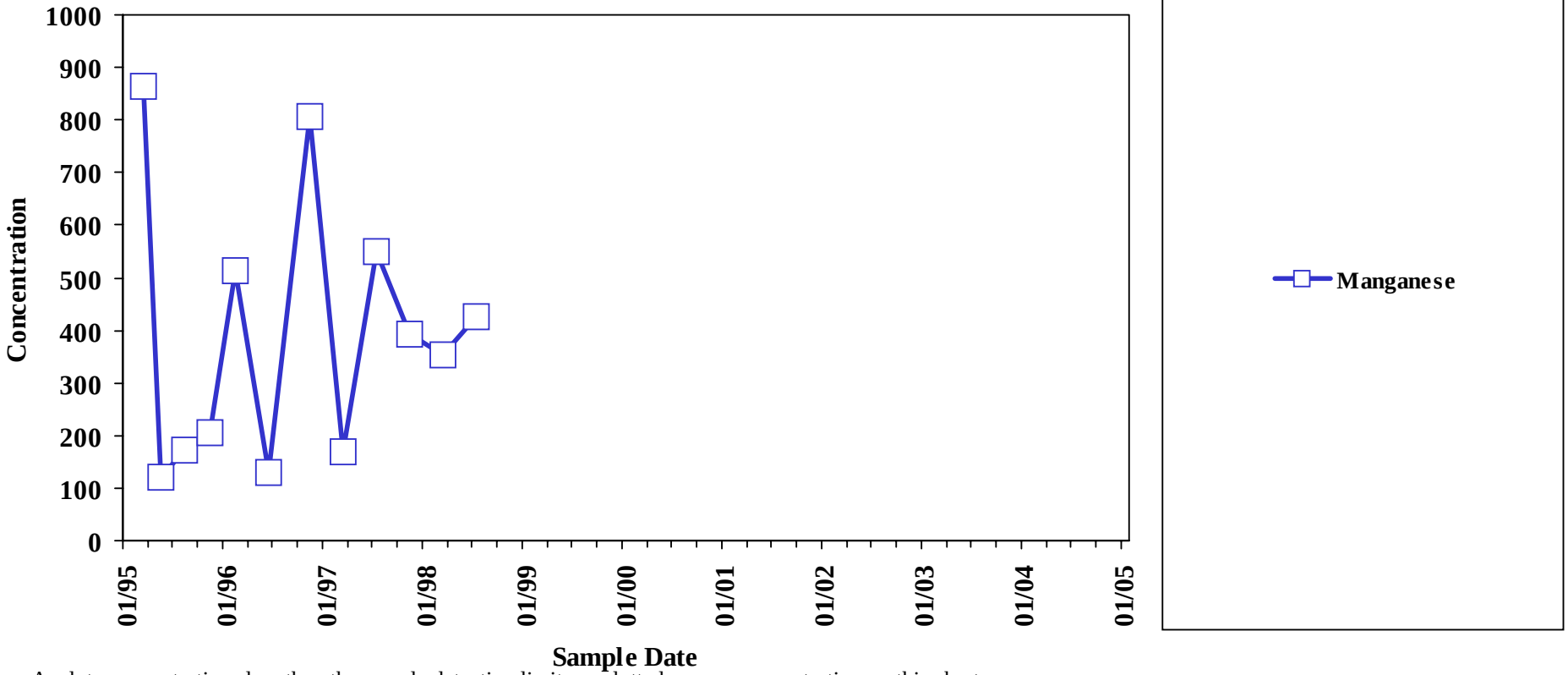
Sample concentration units: mg/Kg

Sample Location:

SED-03

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

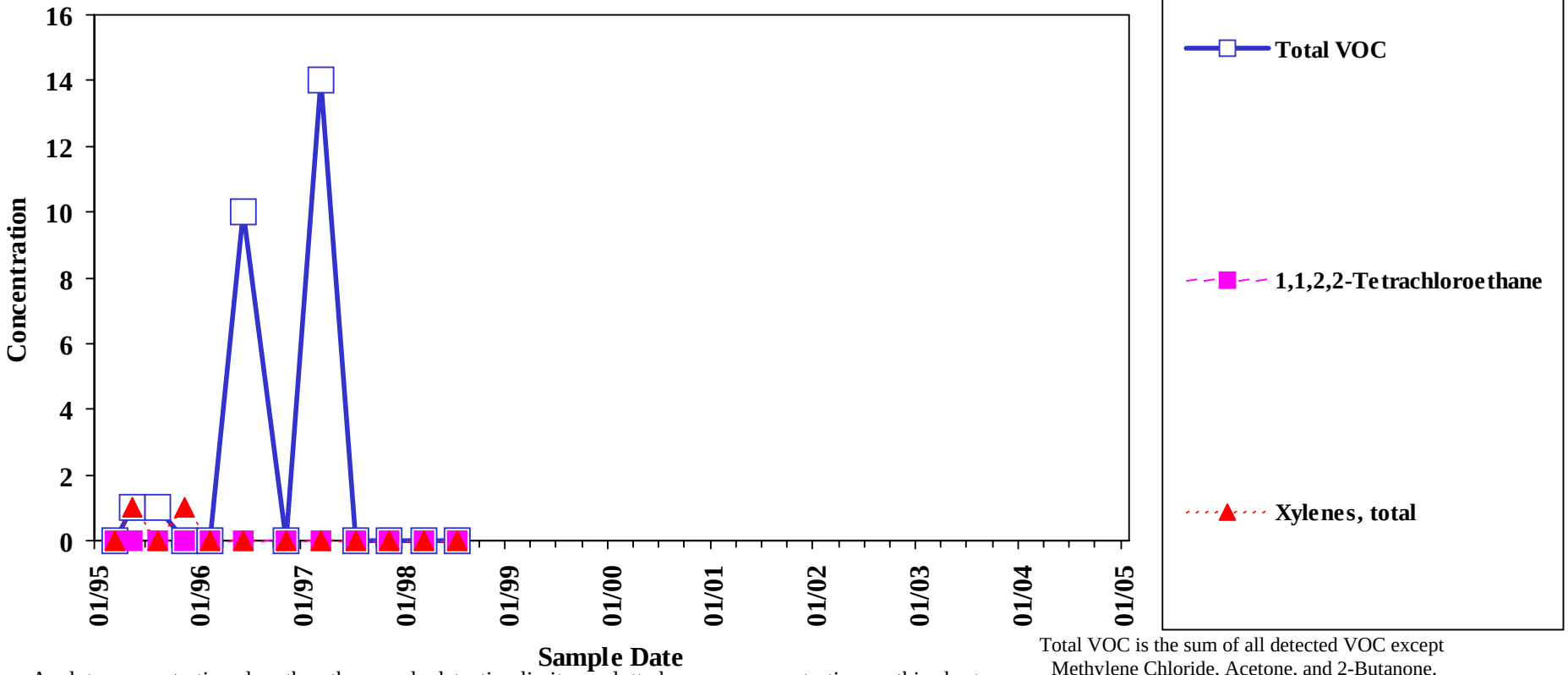
Sample concentration units: mg/Kg

Sample Location:

SED-03

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

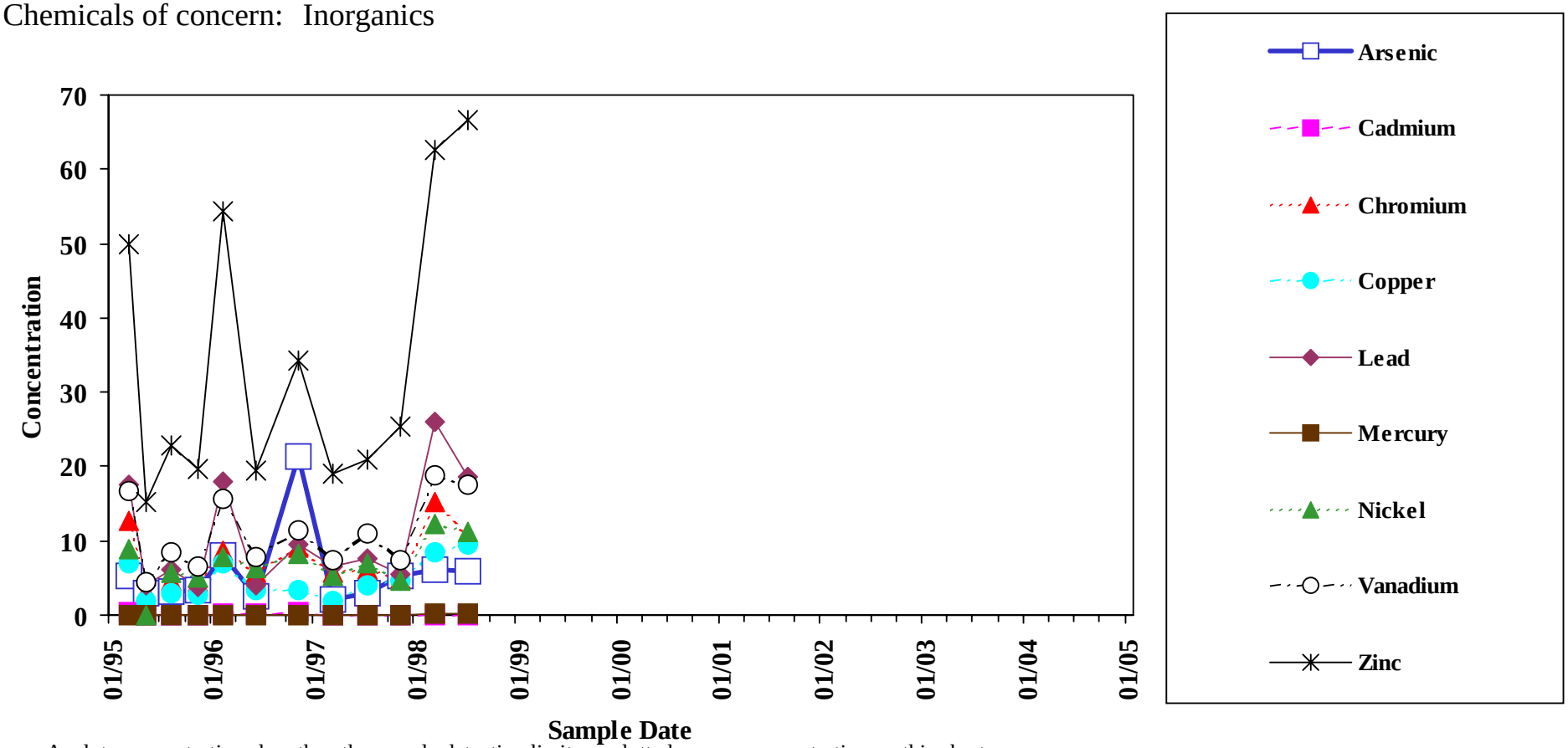
Sample concentration units: µg/Kg

Sample Location:

SED-04

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

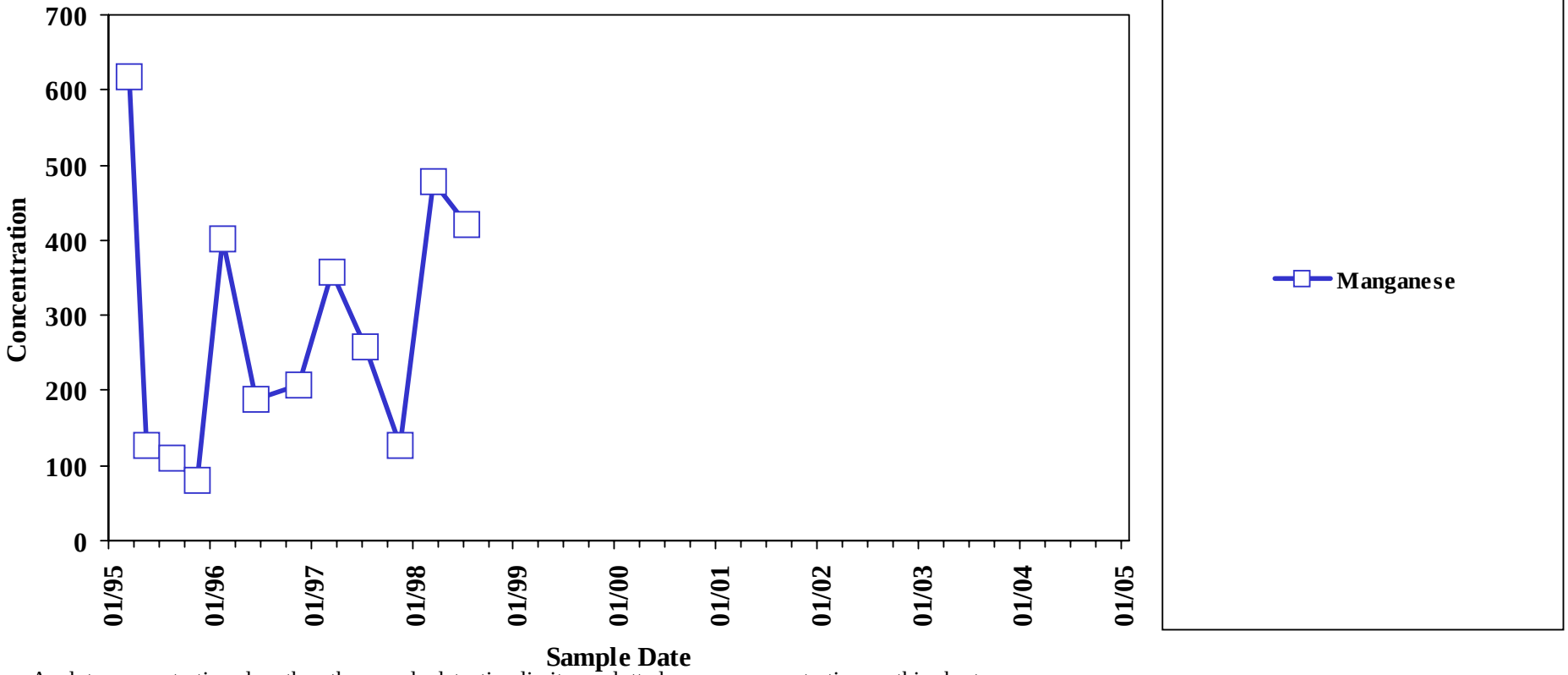
Sample concentration units: mg/Kg

Sample Location:

SED-04

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

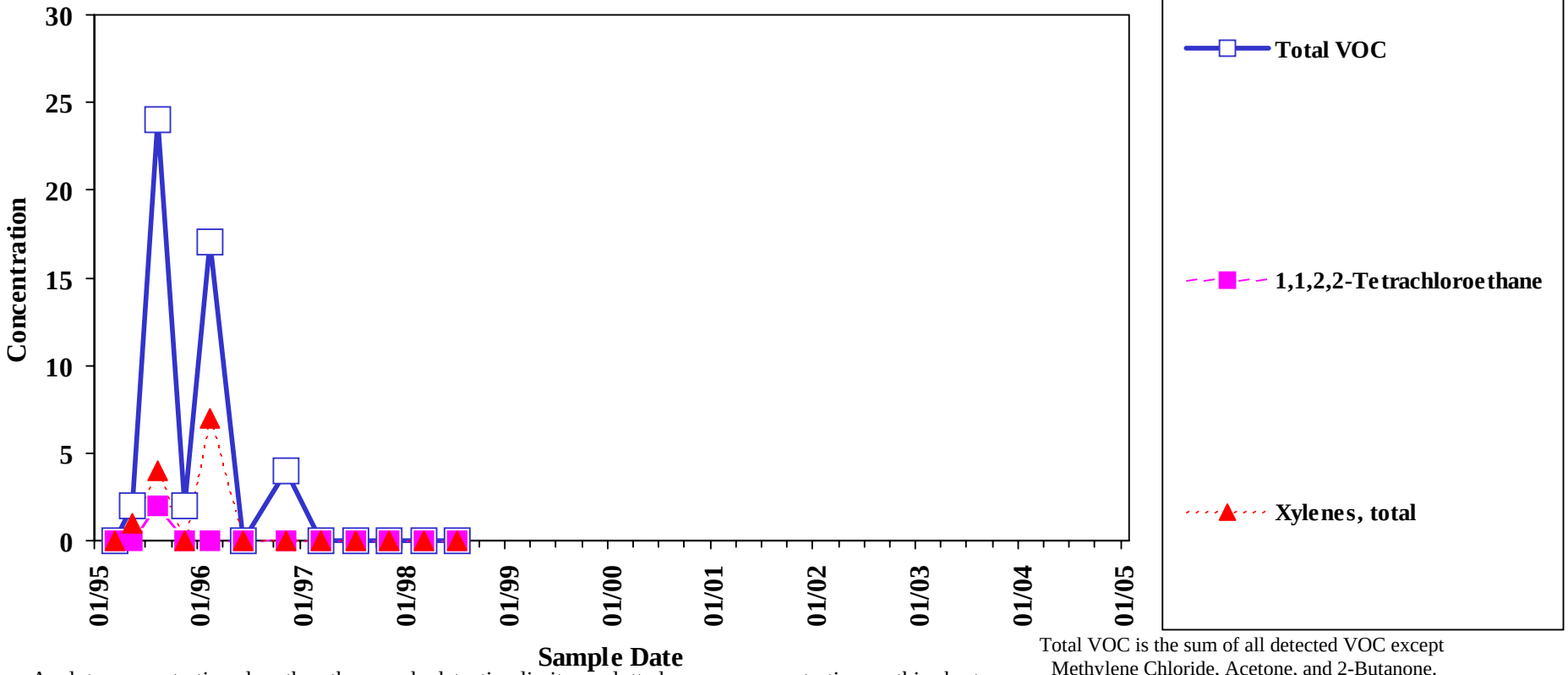
Sample concentration units: mg/Kg

Sample Location:

SED-04

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

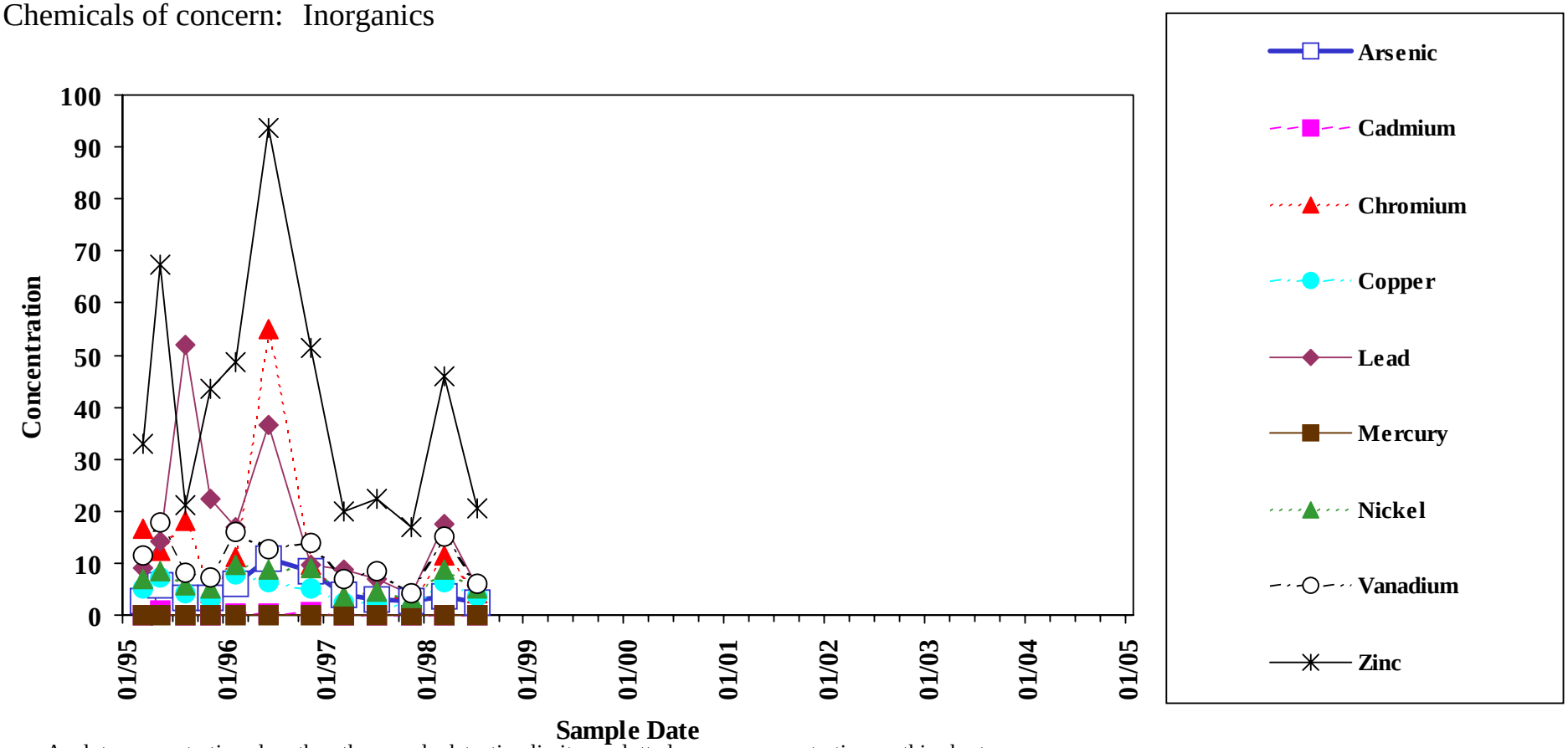
Sample concentration units: µg/Kg

Sample Location:

SED-05

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

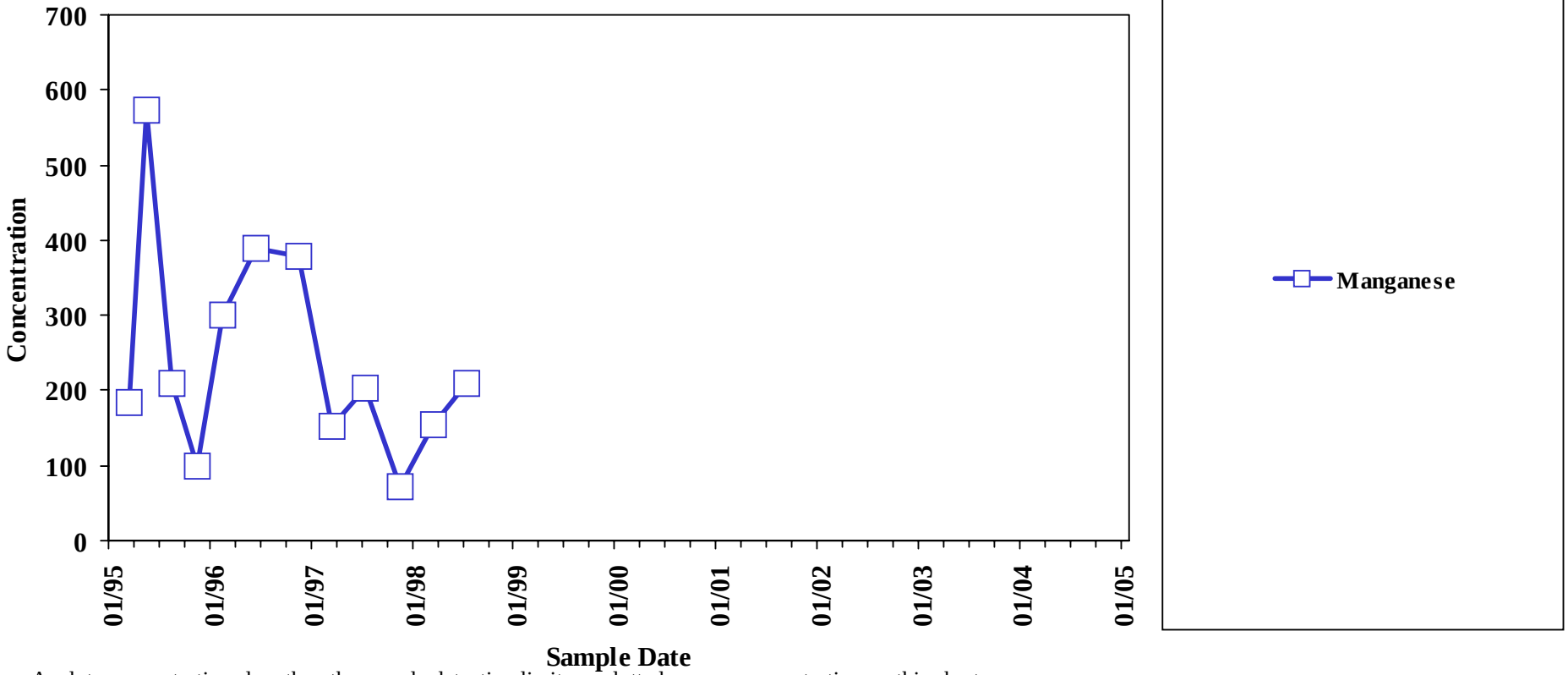
Sample concentration units: mg/Kg

Sample Location:

SED-05

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

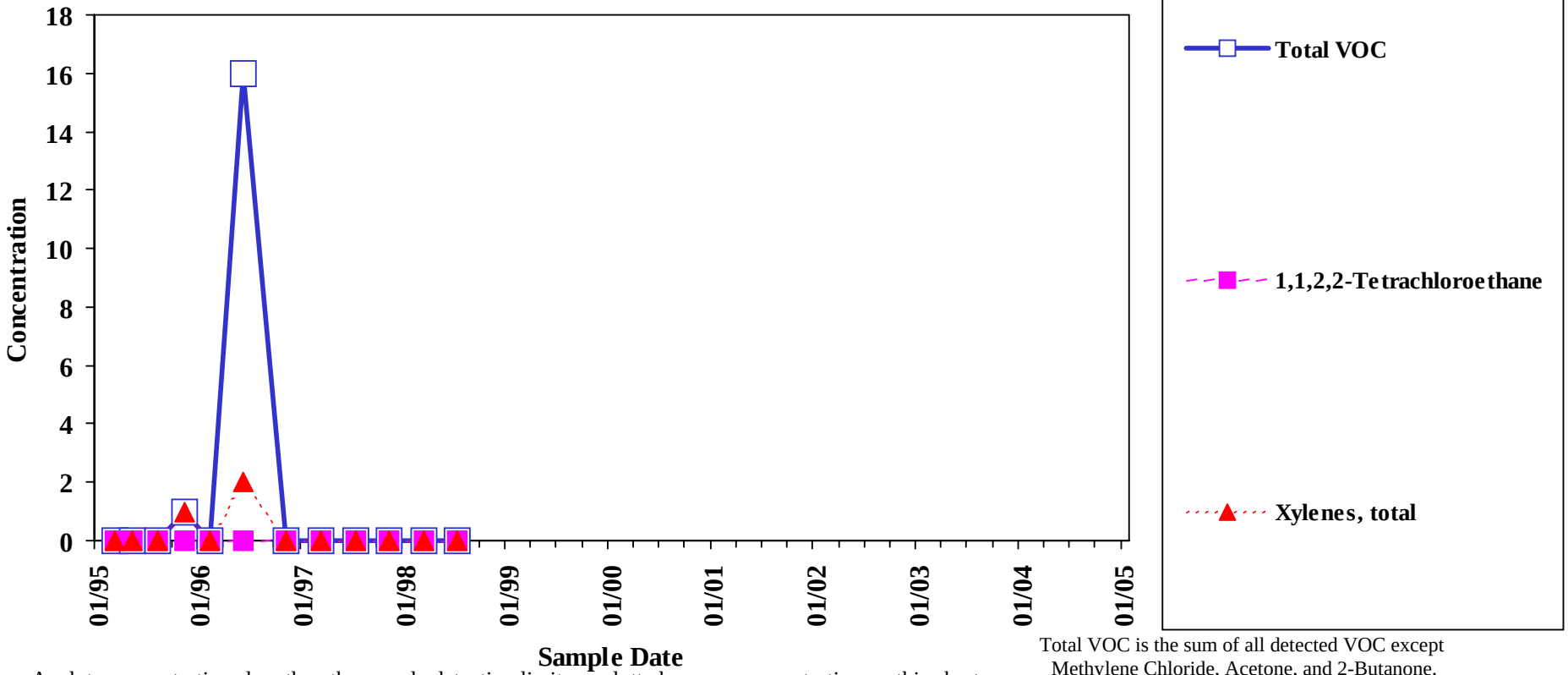
Sample concentration units: mg/Kg

Sample Location:

SED-05

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

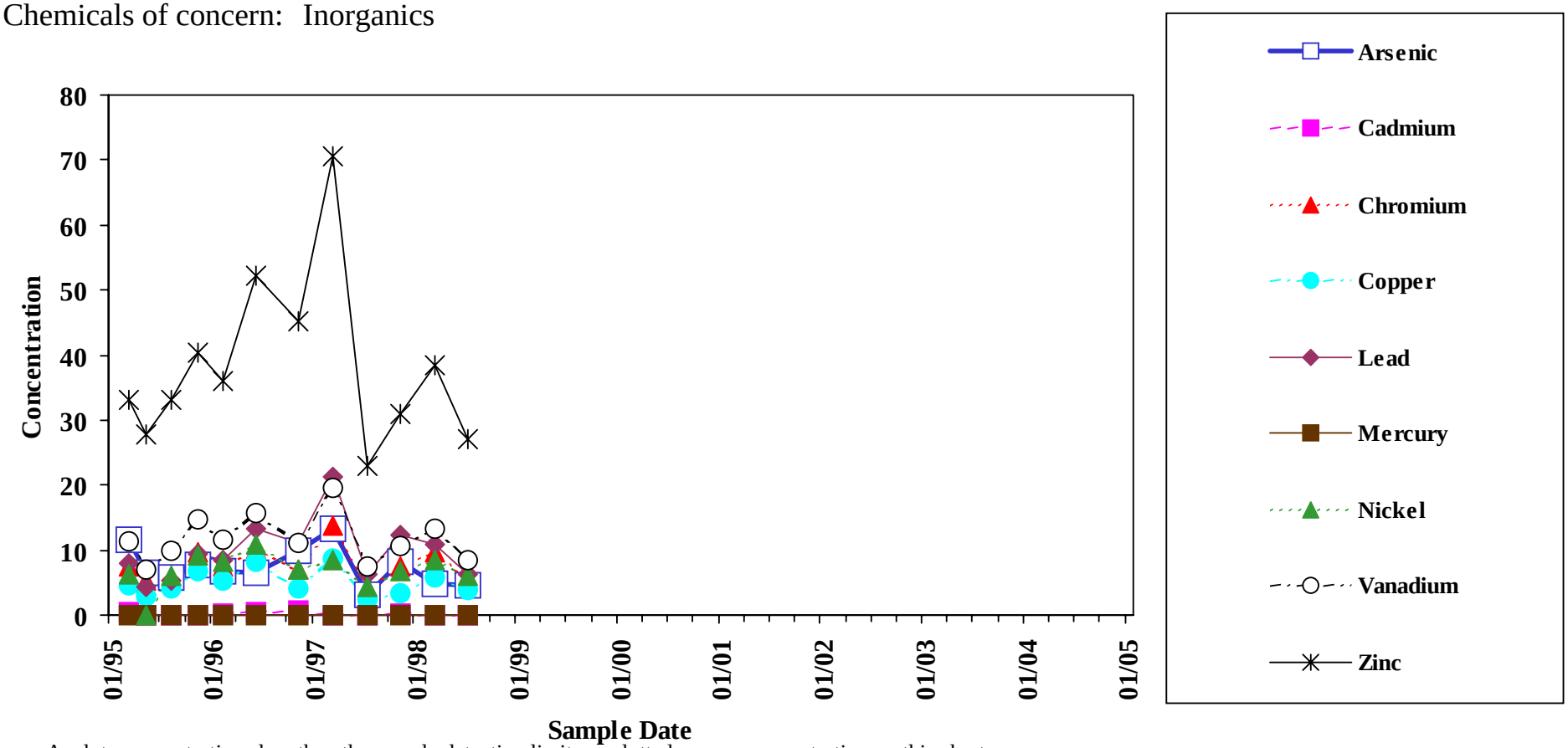
Sample concentration units: µg/Kg

Sample Location:

SED-06

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

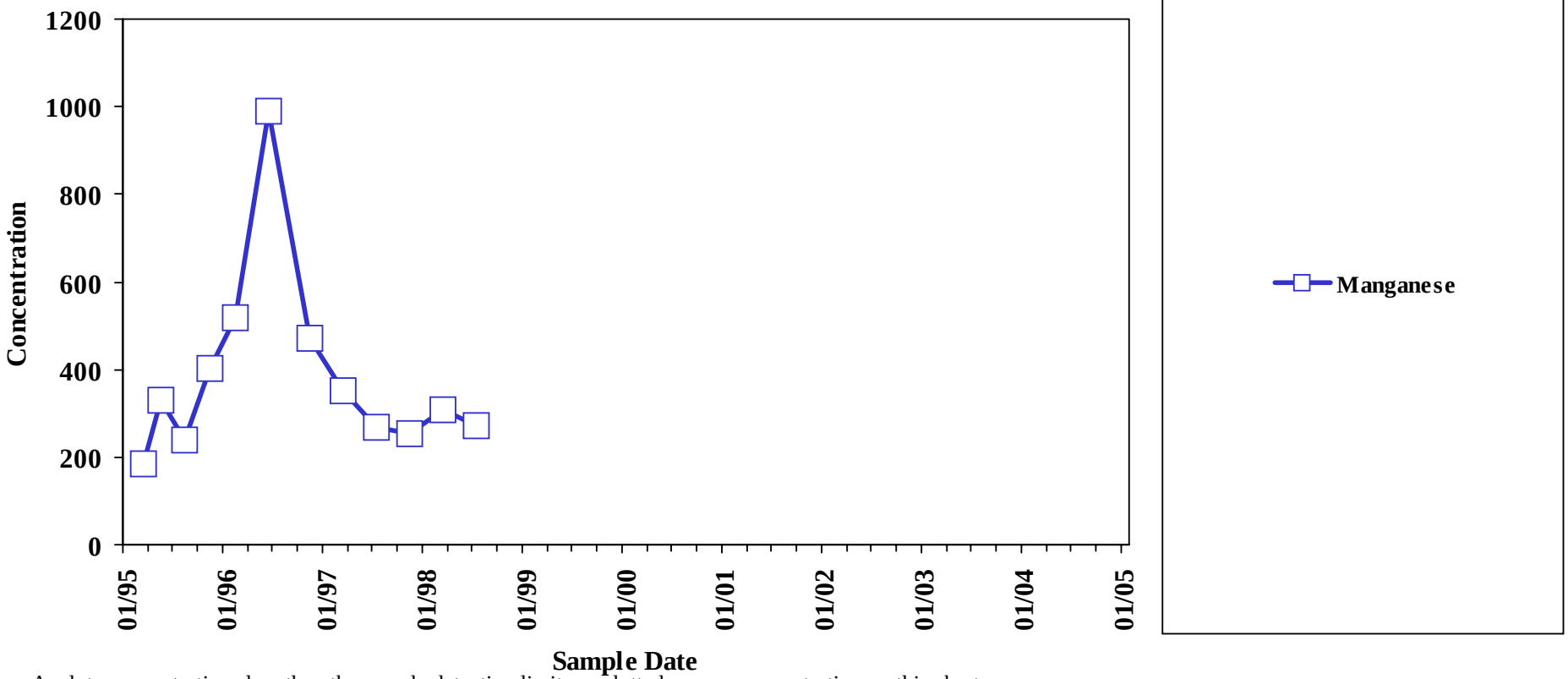
Sample concentration units: mg/Kg

Sample Location:

SED-06

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

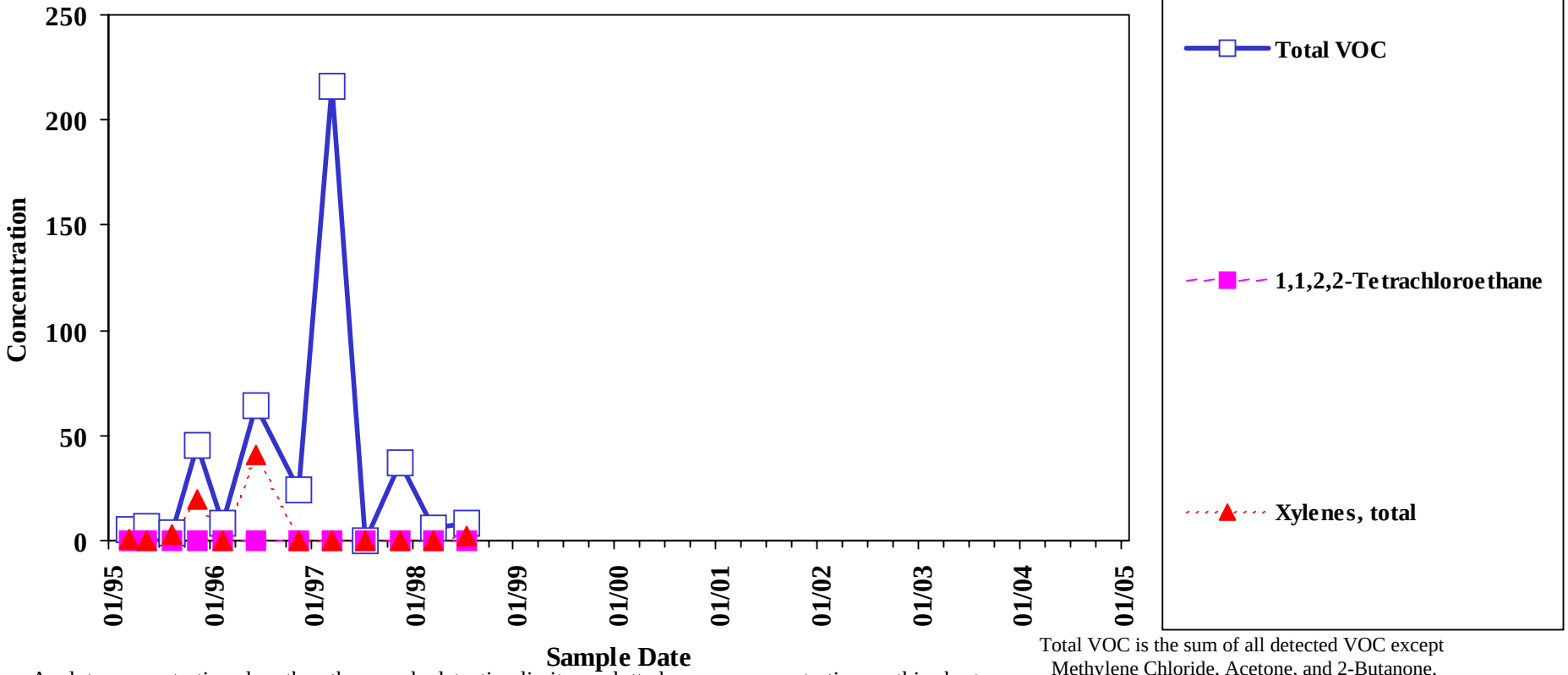
Sample concentration units: mg/Kg

Sample Location:

SED-06

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

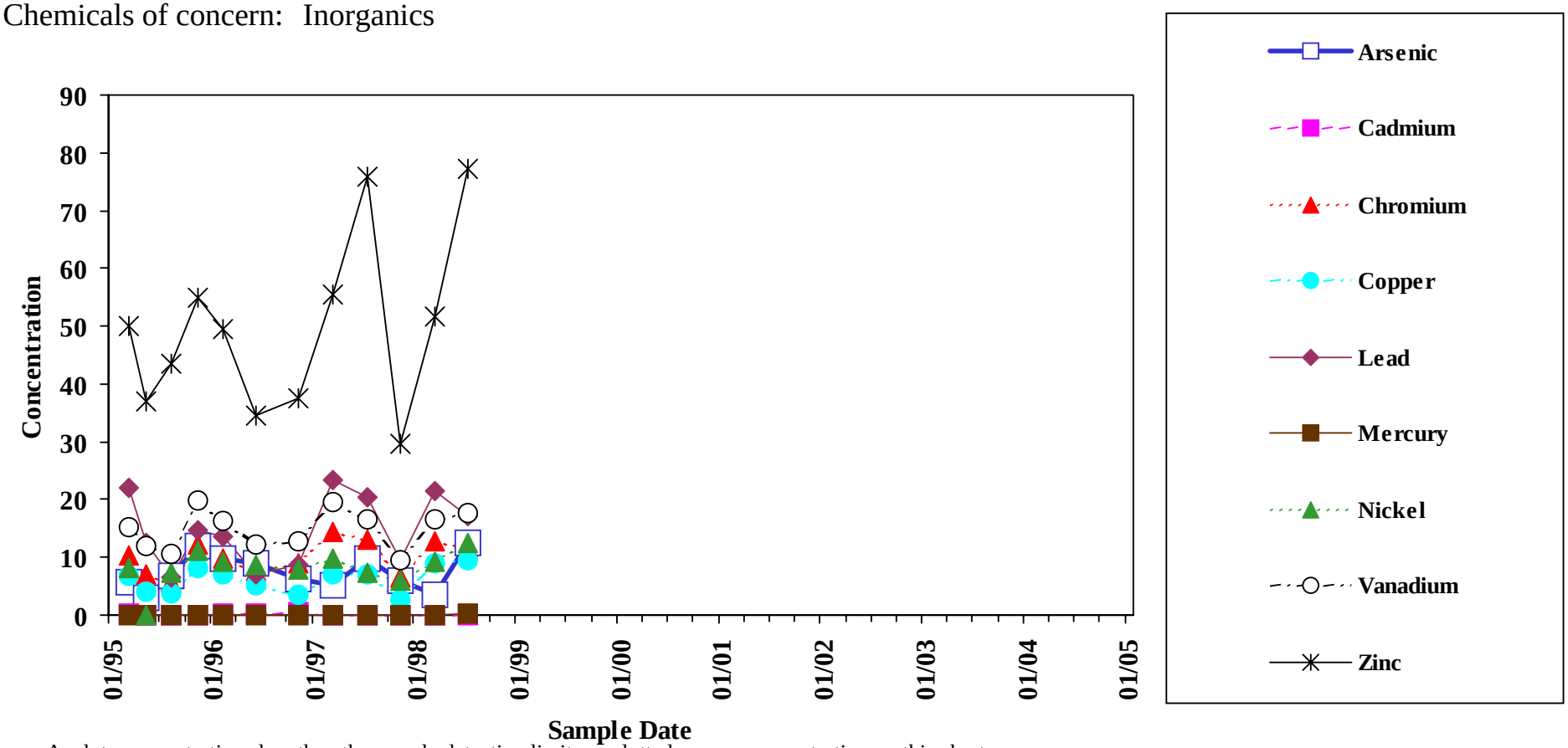
Sample concentration units: µg/Kg

Sample Location:

SED-07

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

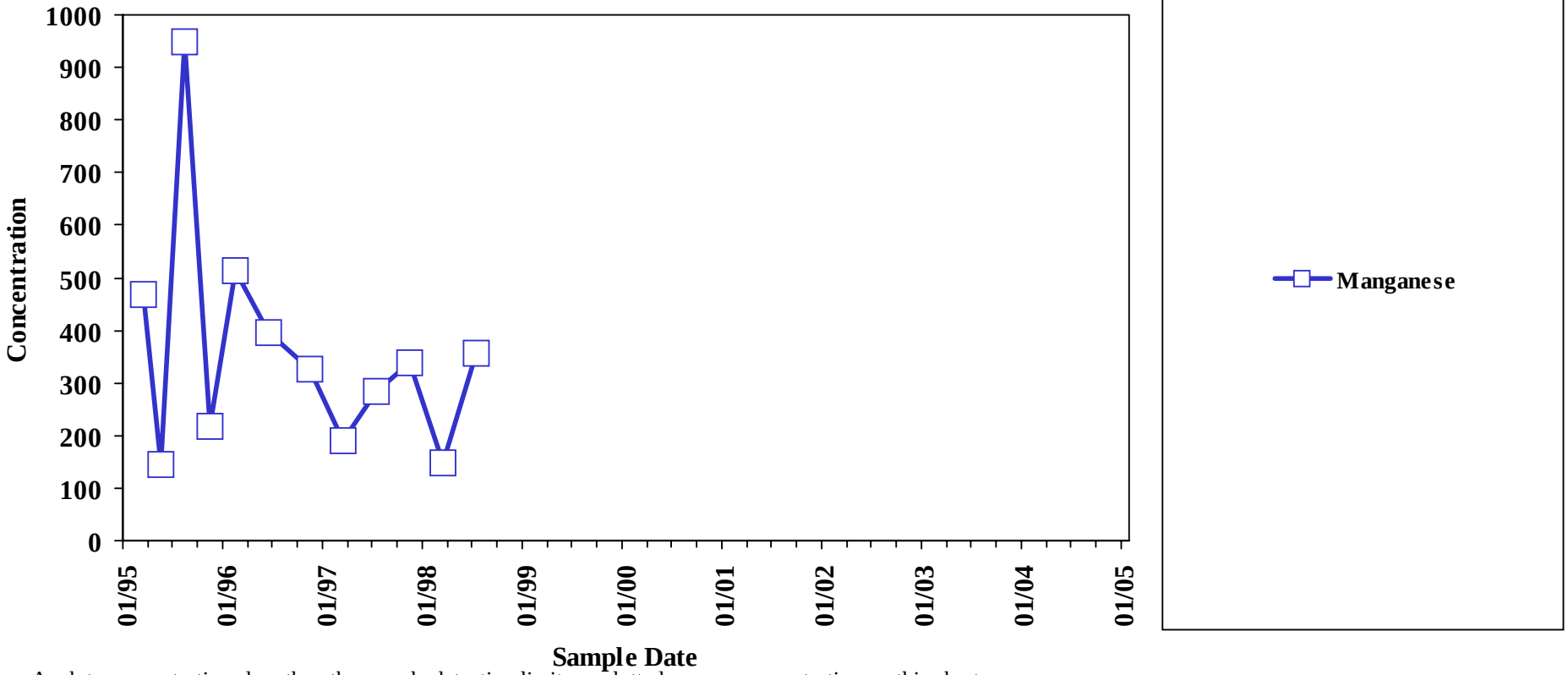
Sample concentration units: mg/Kg

Sample Location:

SED-07

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

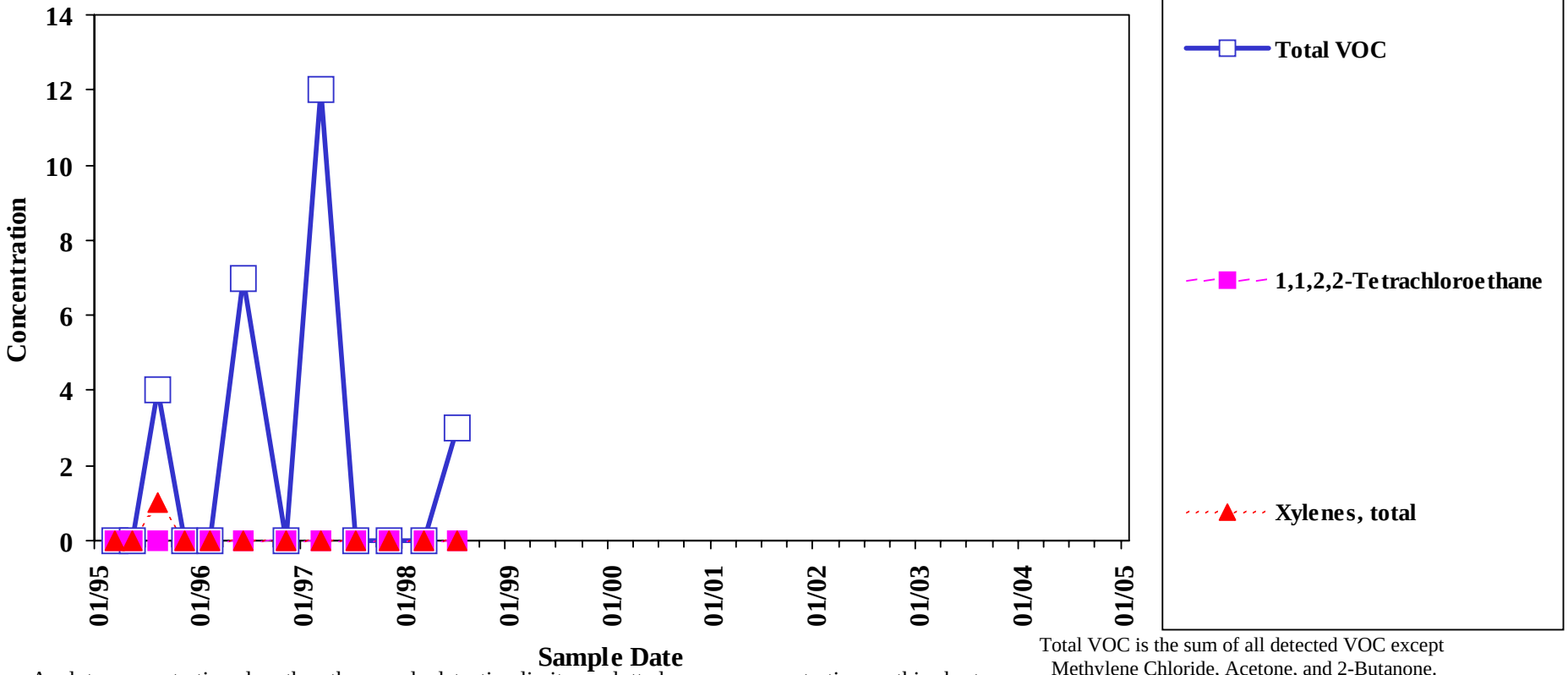
Sample concentration units: mg/Kg

Sample Location:

SED-07

Sites 1 & 3
Sediment

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

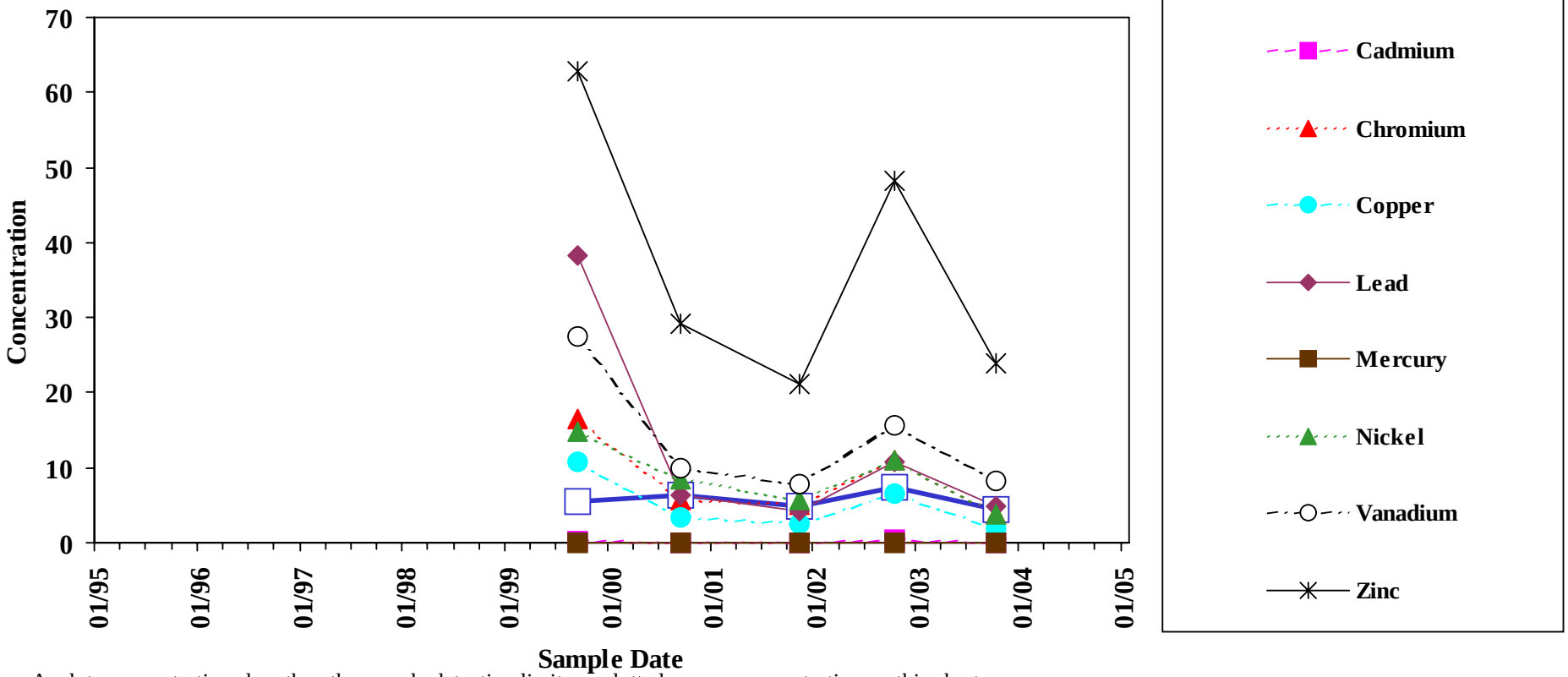
Sample concentration units: µg/Kg

Sample Location:

SED-09

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

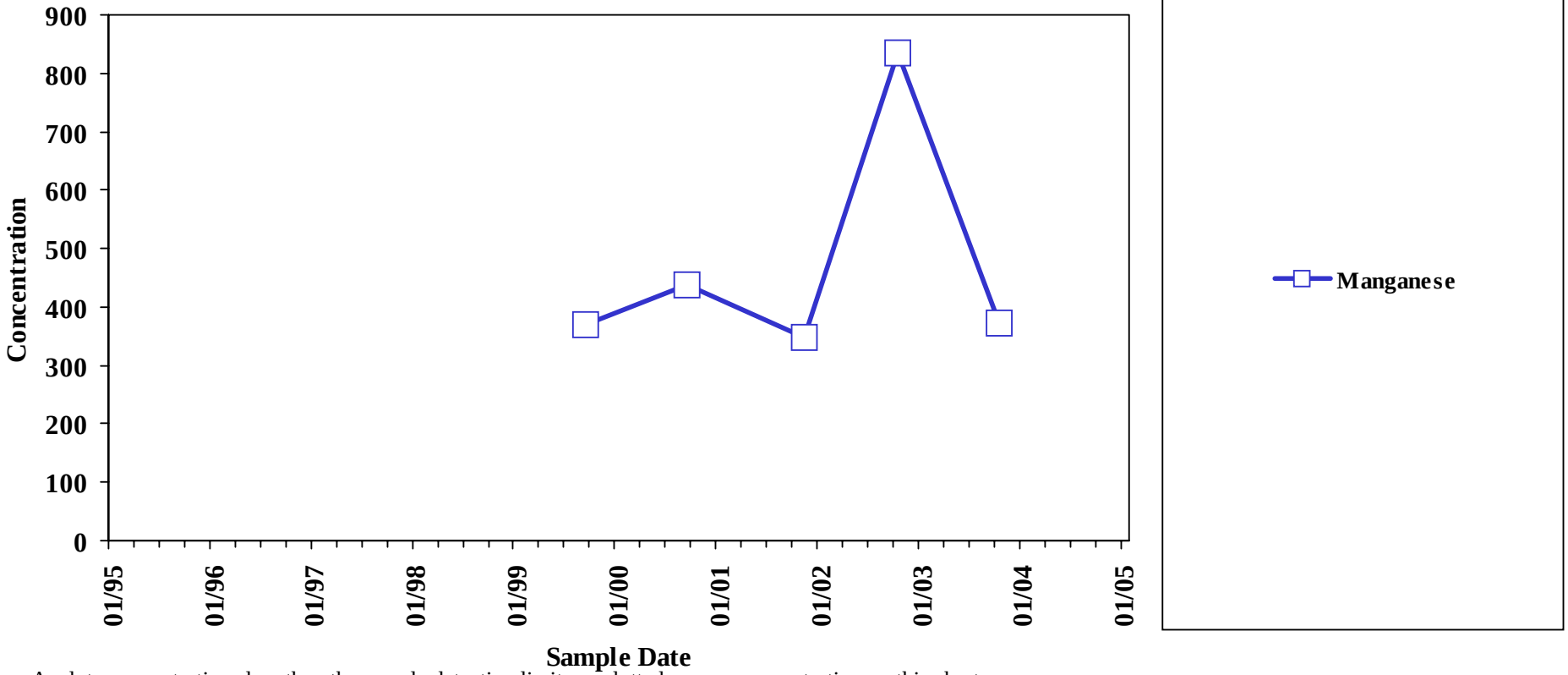
Sample concentration units: mg/Kg

Sample Location:

SED-09

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

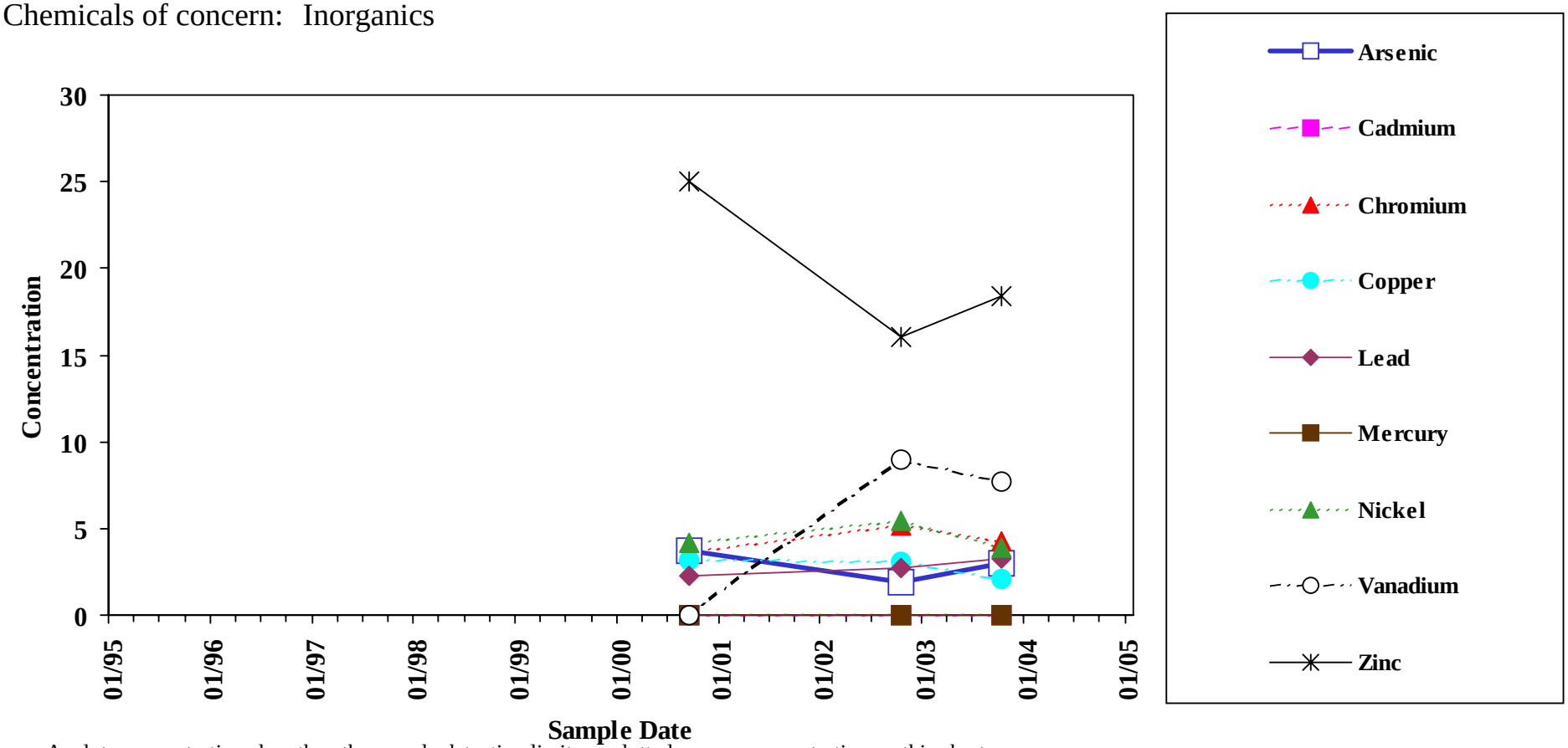
Sample concentration units: mg/Kg

Sample Location:

SED-15

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

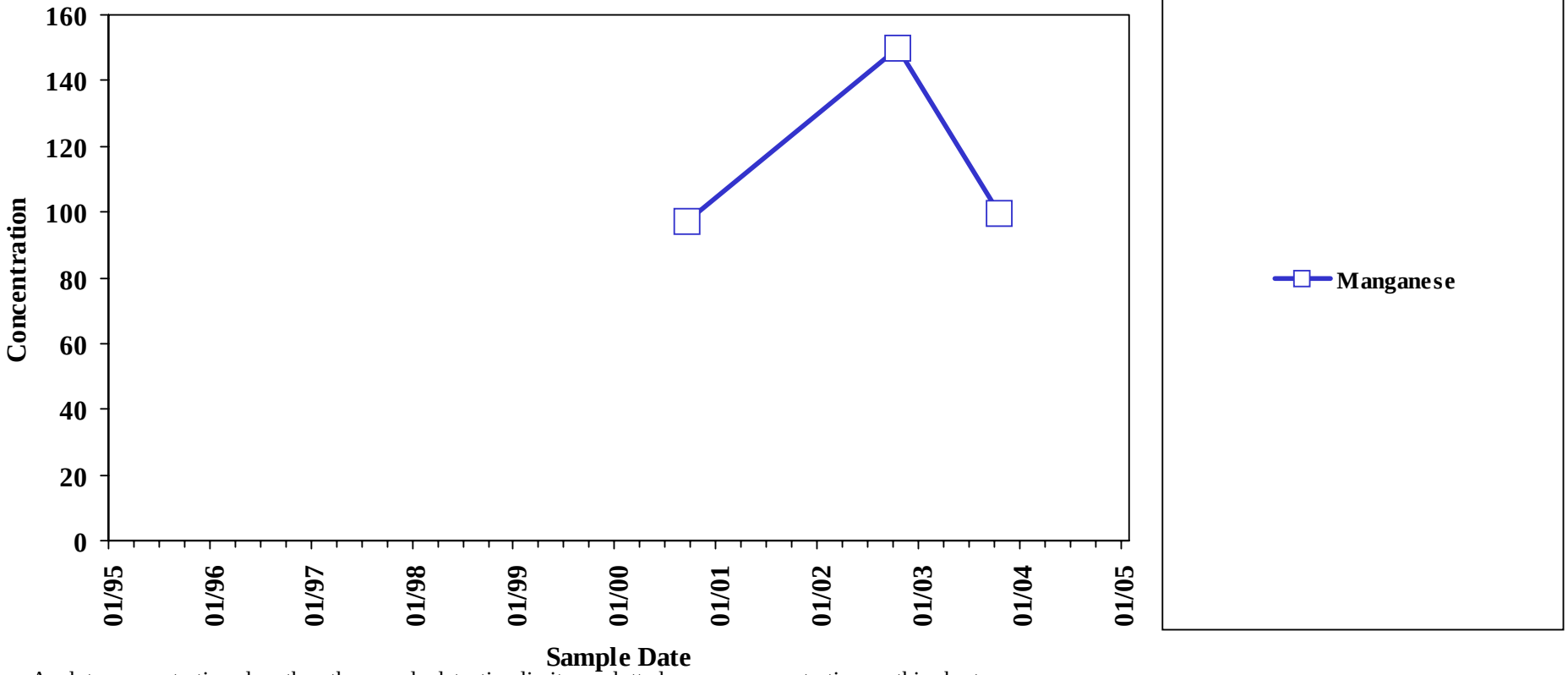
Sample concentration units: mg/Kg

Sample Location:

SED-15

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

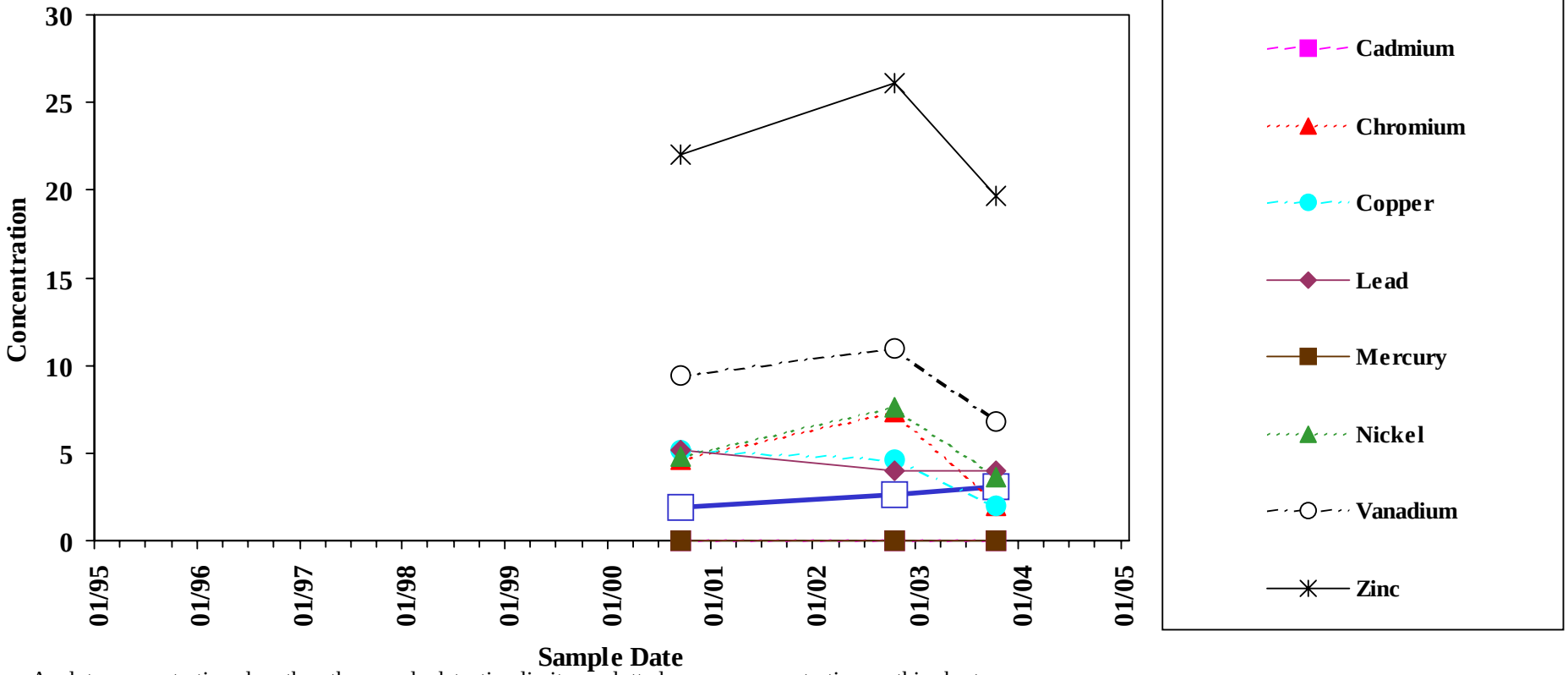
Sample concentration units: mg/Kg

Sample Location:

SED-16

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

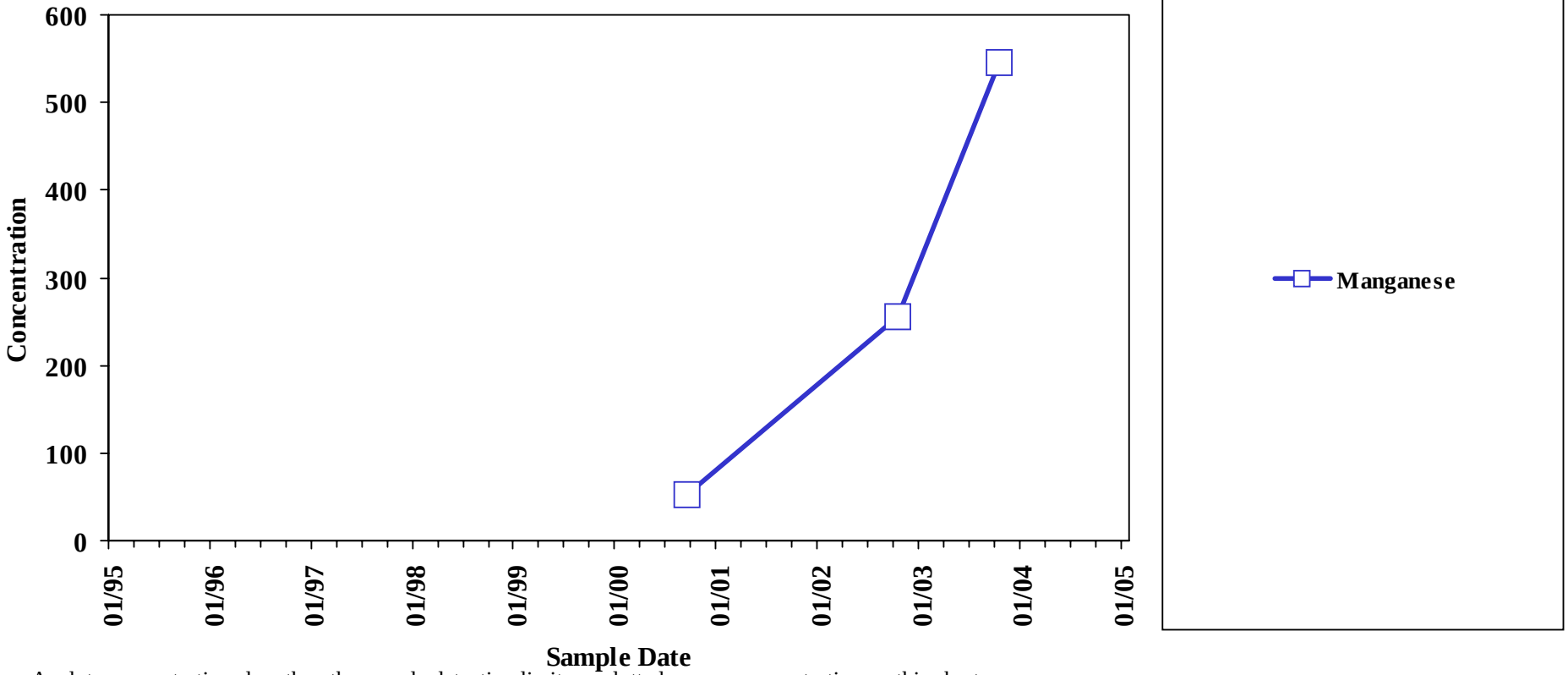
Sample concentration units: mg/Kg

Sample Location:

SED-16

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

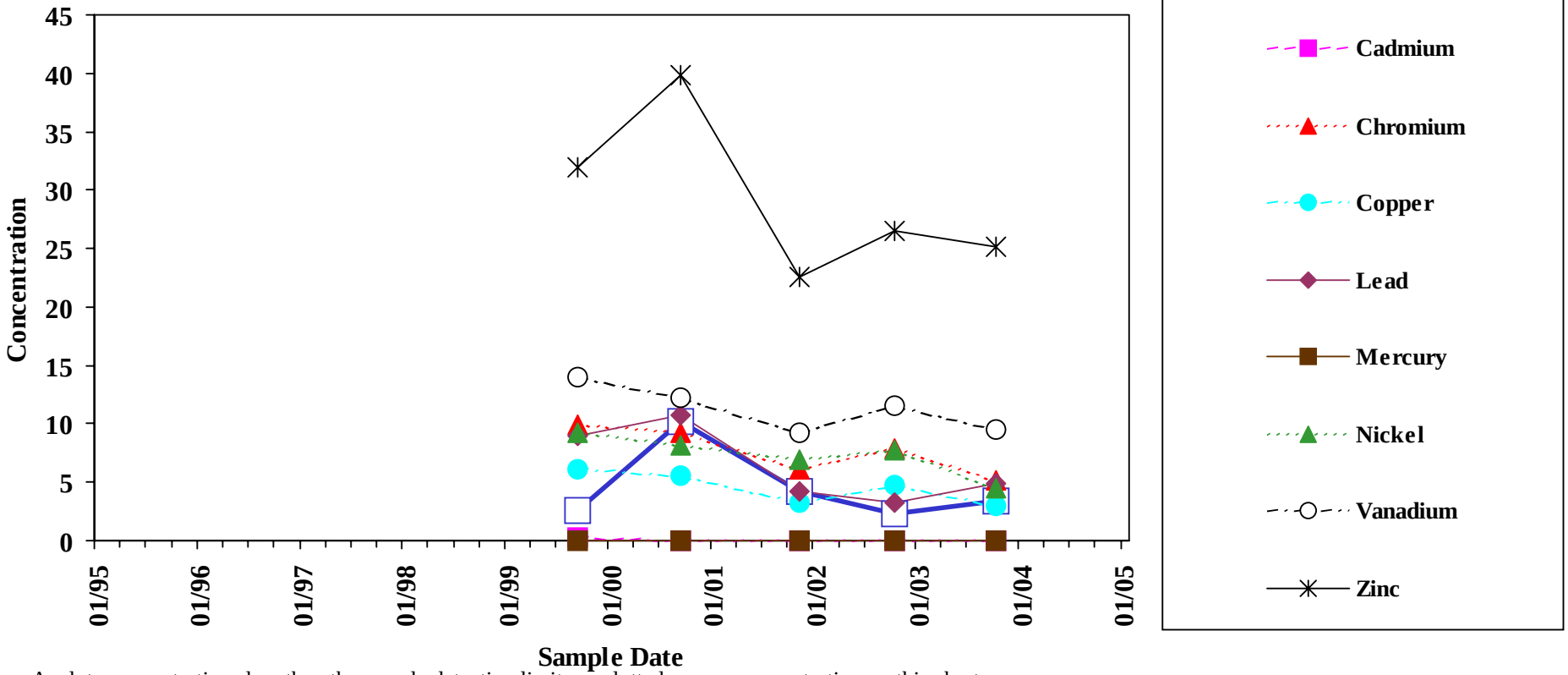
Sample concentration units: mg/Kg

Sample Location:

SED-17

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

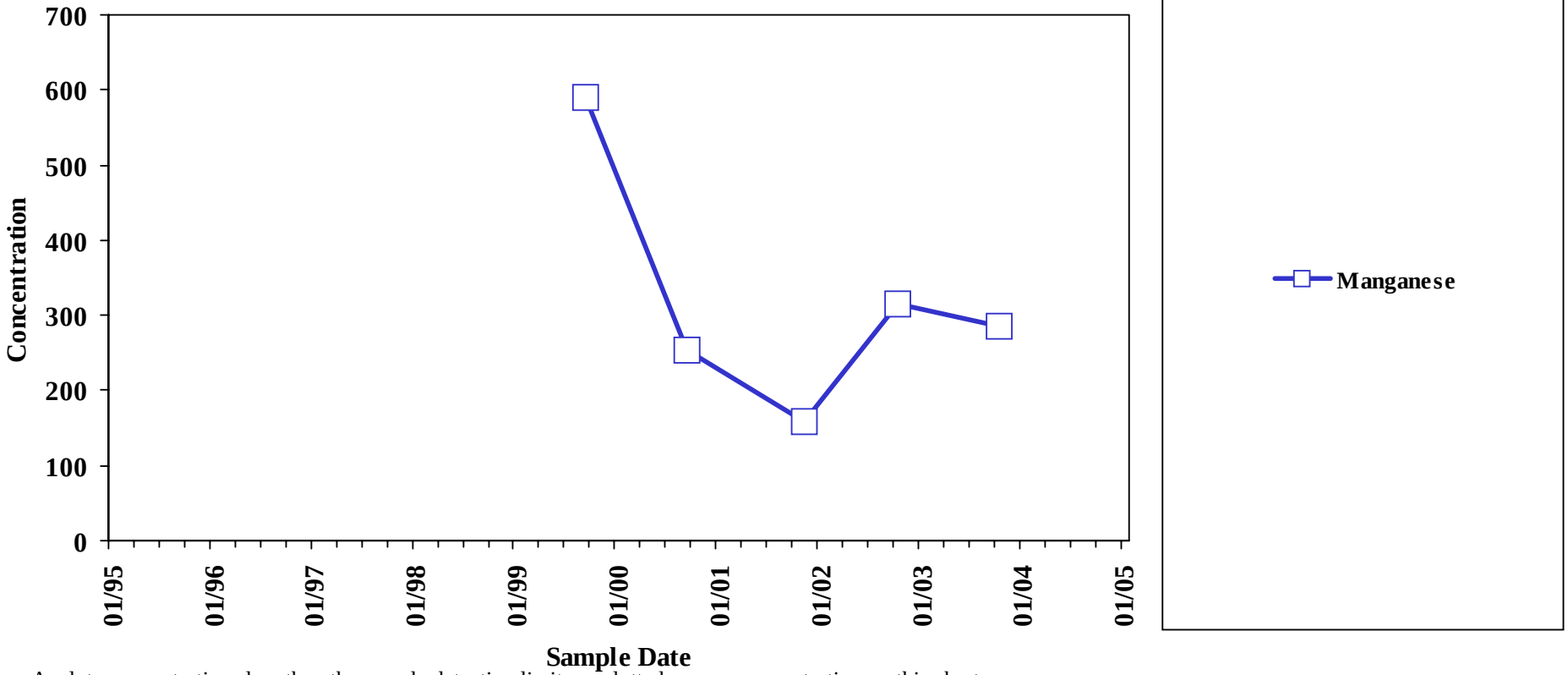
Sample concentration units: mg/Kg

Sample Location:

SED-17

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

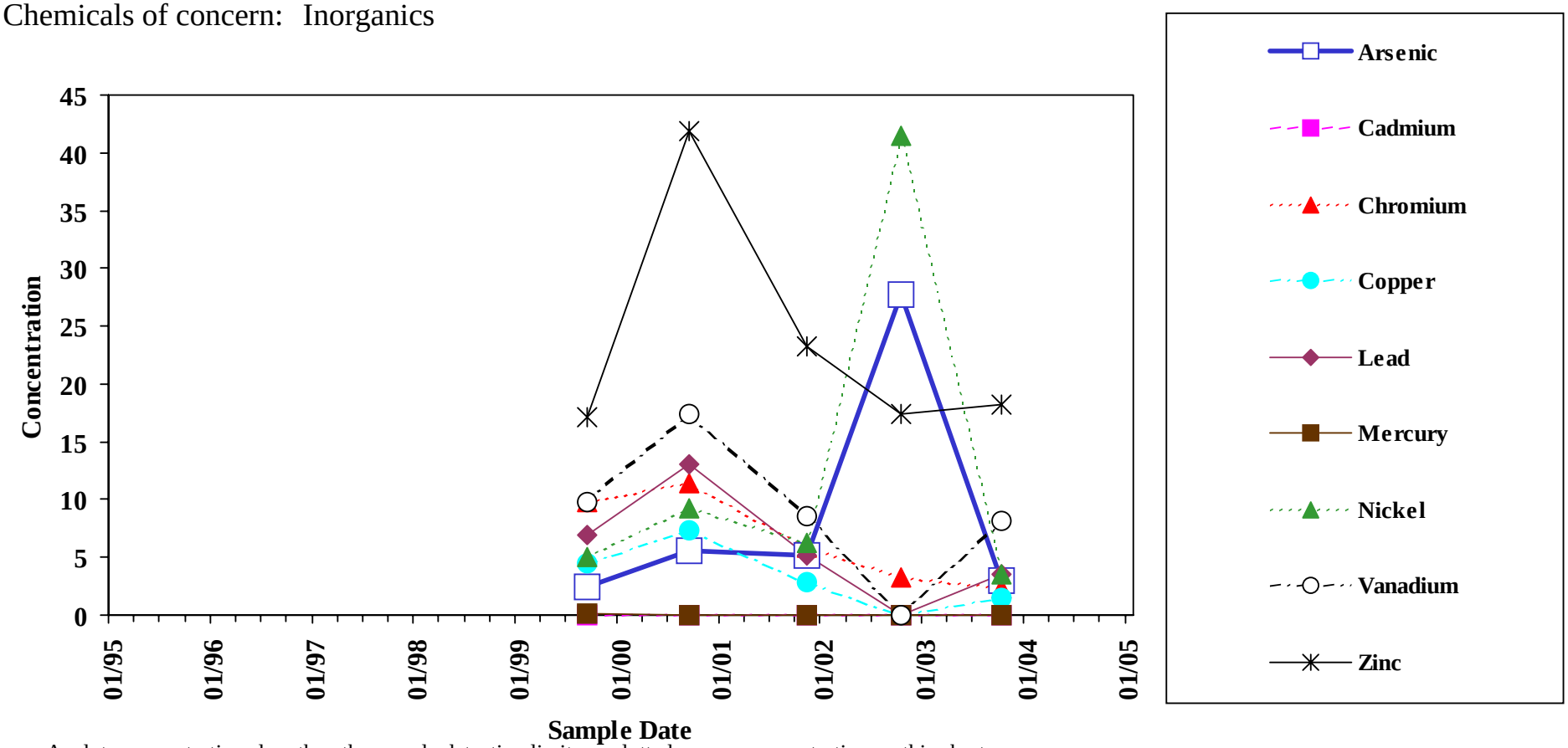
Sample concentration units: mg/Kg

Sample Location:

SED-18

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

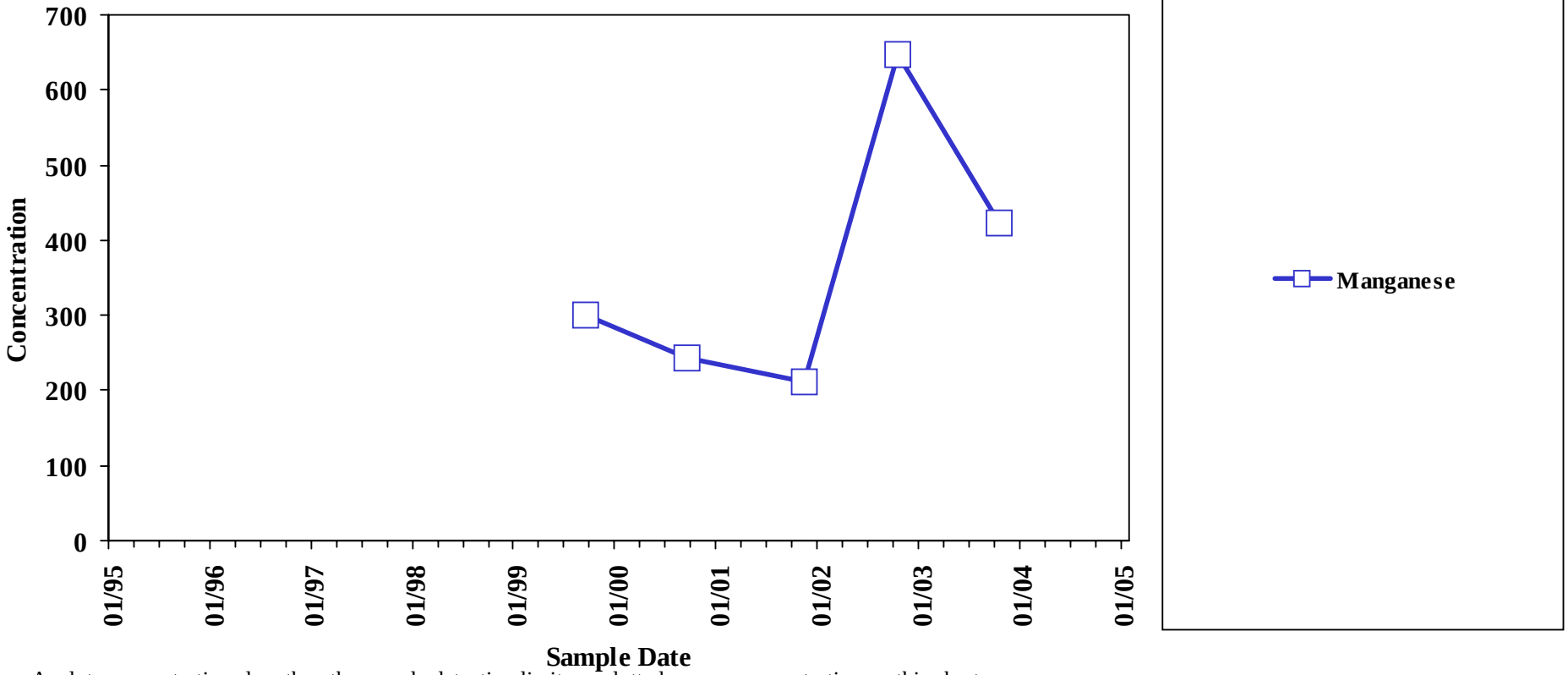
Sample concentration units: mg/Kg

Sample Location:

SED-18

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

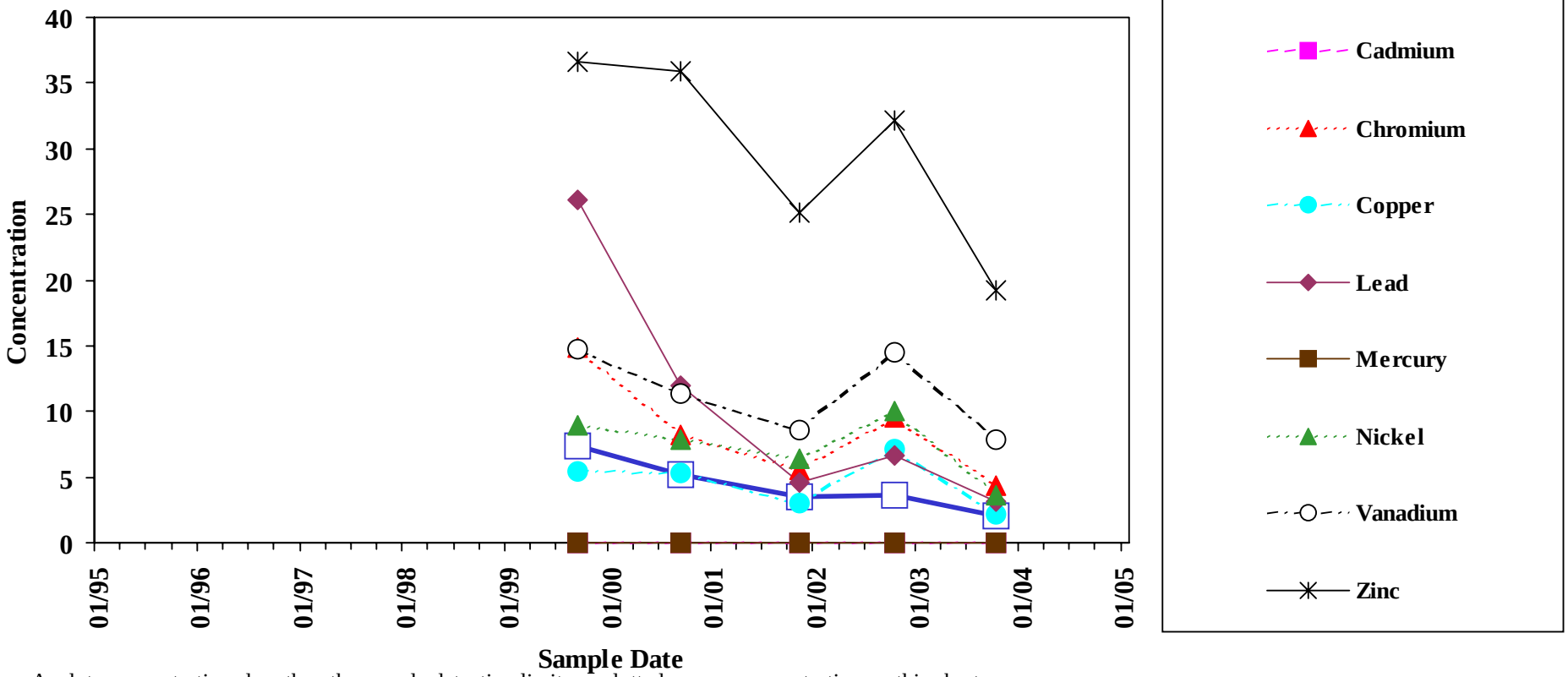
Sample concentration units: mg/Kg

Sample Location:

SED-19

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

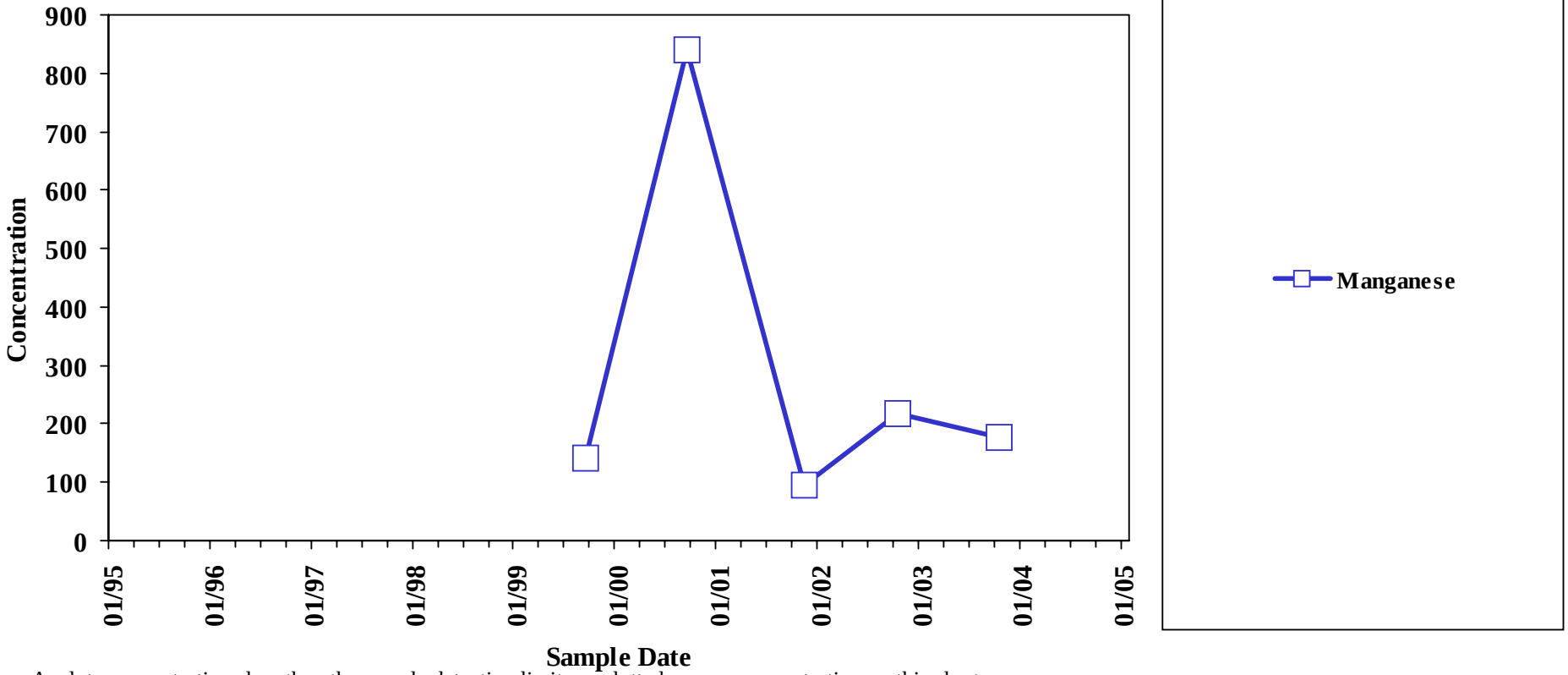
Sample concentration units: mg/Kg

Sample Location:

SED-19

Sites 1 & 3
Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

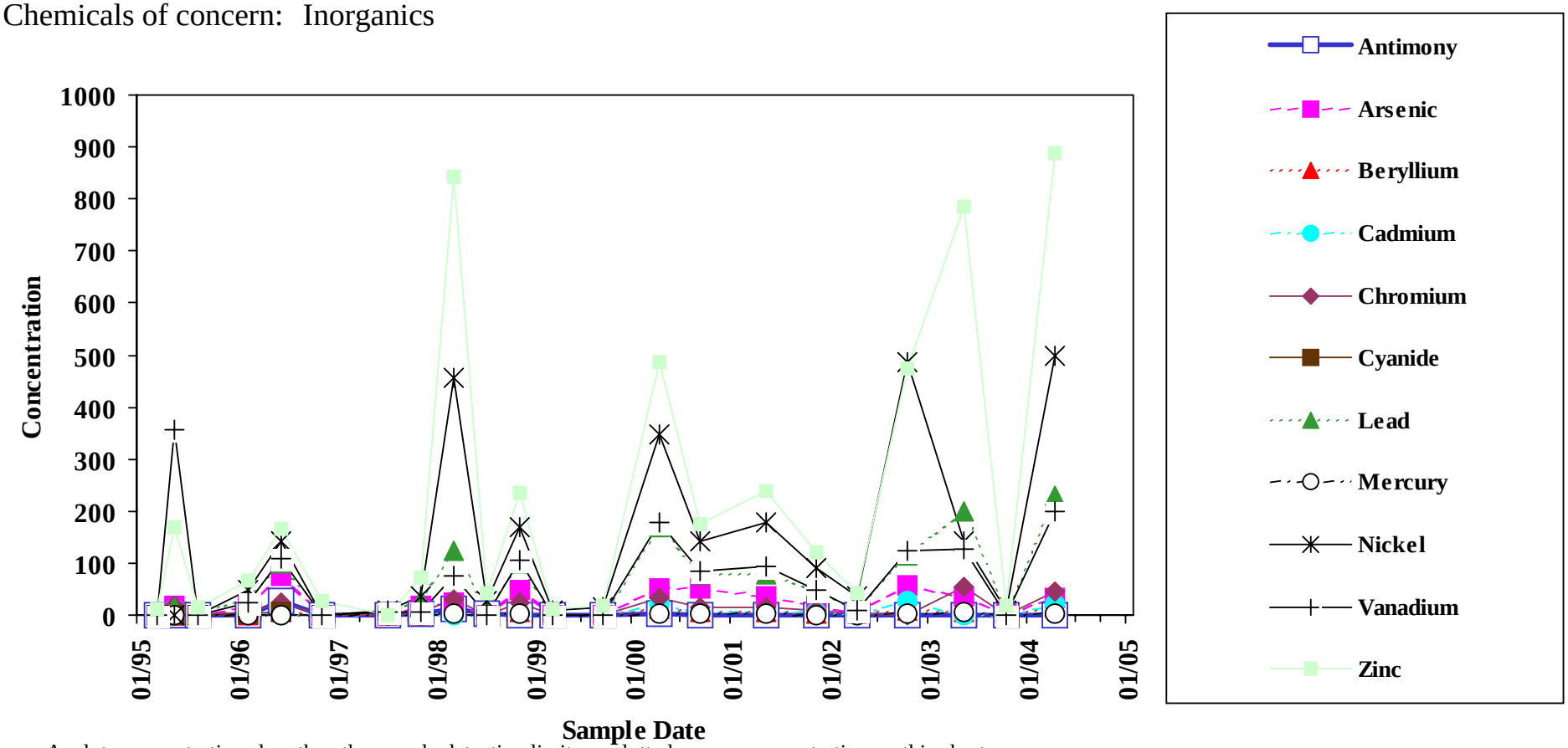
Sample concentration units: mg/Kg

Sample Location:

SEEP-01

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

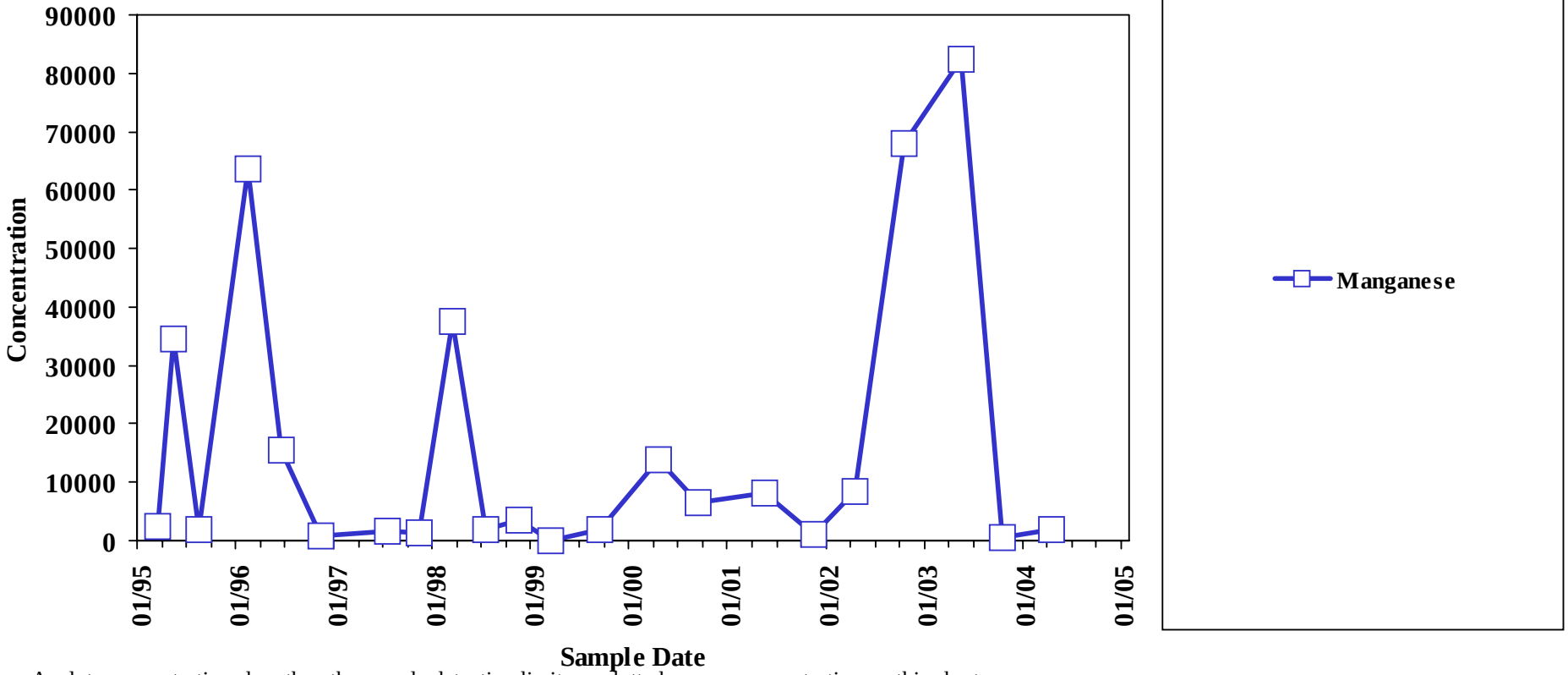
Sample concentration units: µg/L

Sample Location:

SEEP-01

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

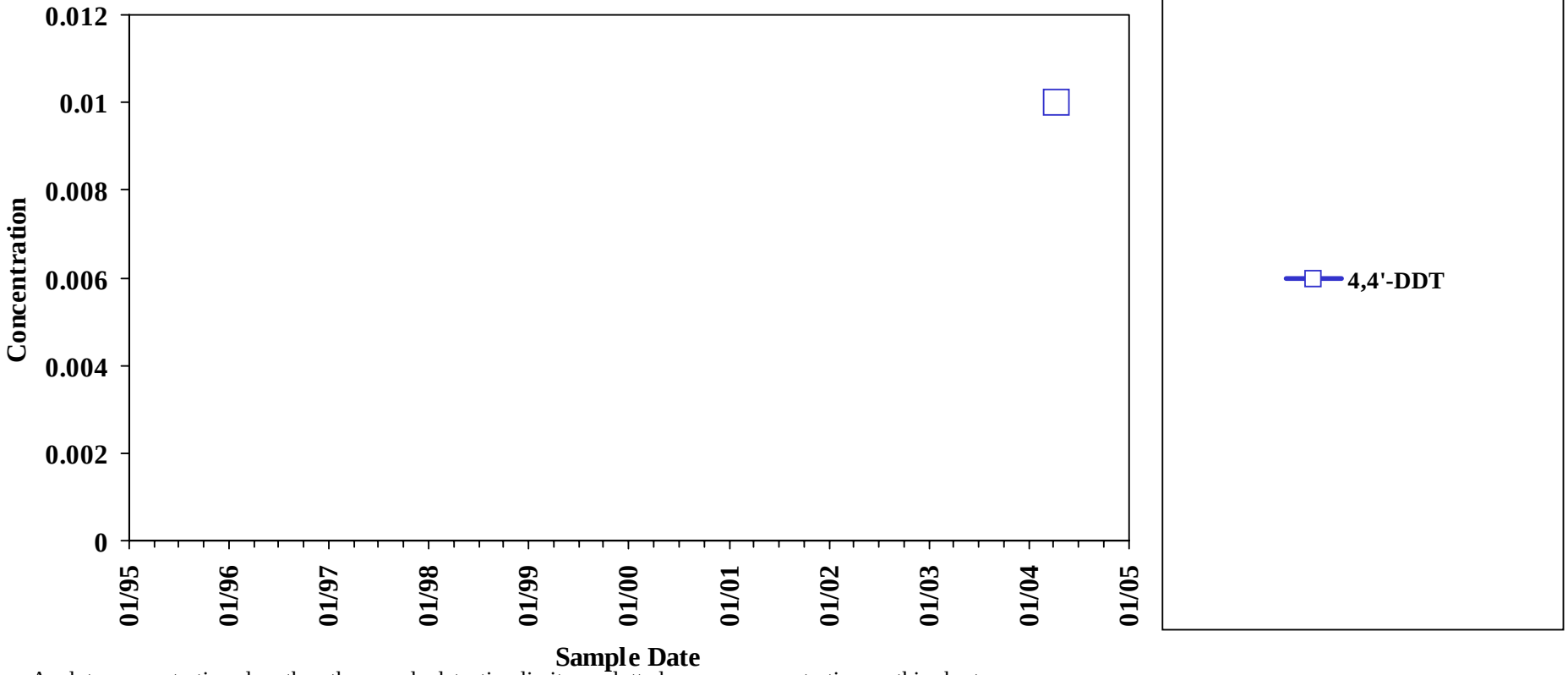
Sample concentration units: µg/L

Sample Location:

SEEP-01

Sites 1 & 3
Leachate

Chemicals of concern: Pesticides



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

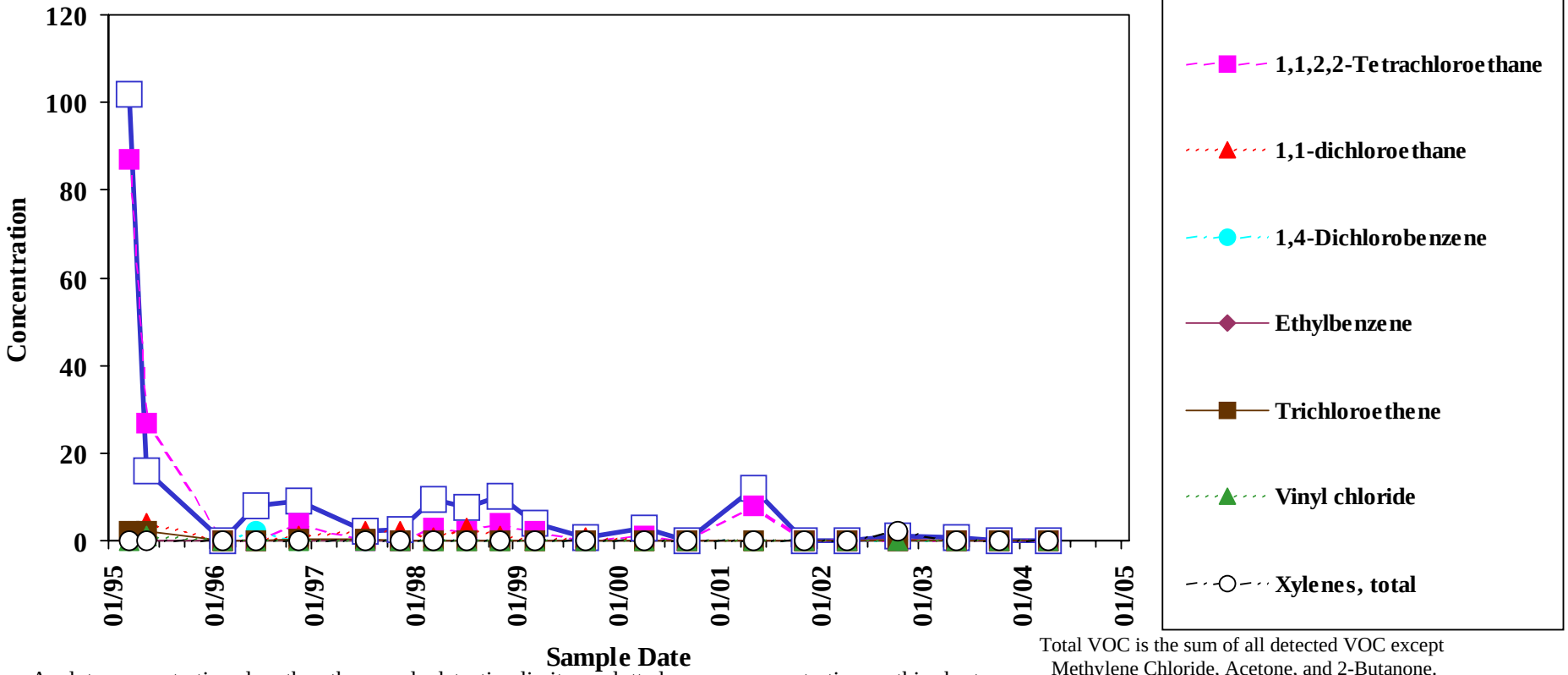
Sample concentration units: ug/l

Sample Location:

SEEP-01

Sites 1 & 3
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

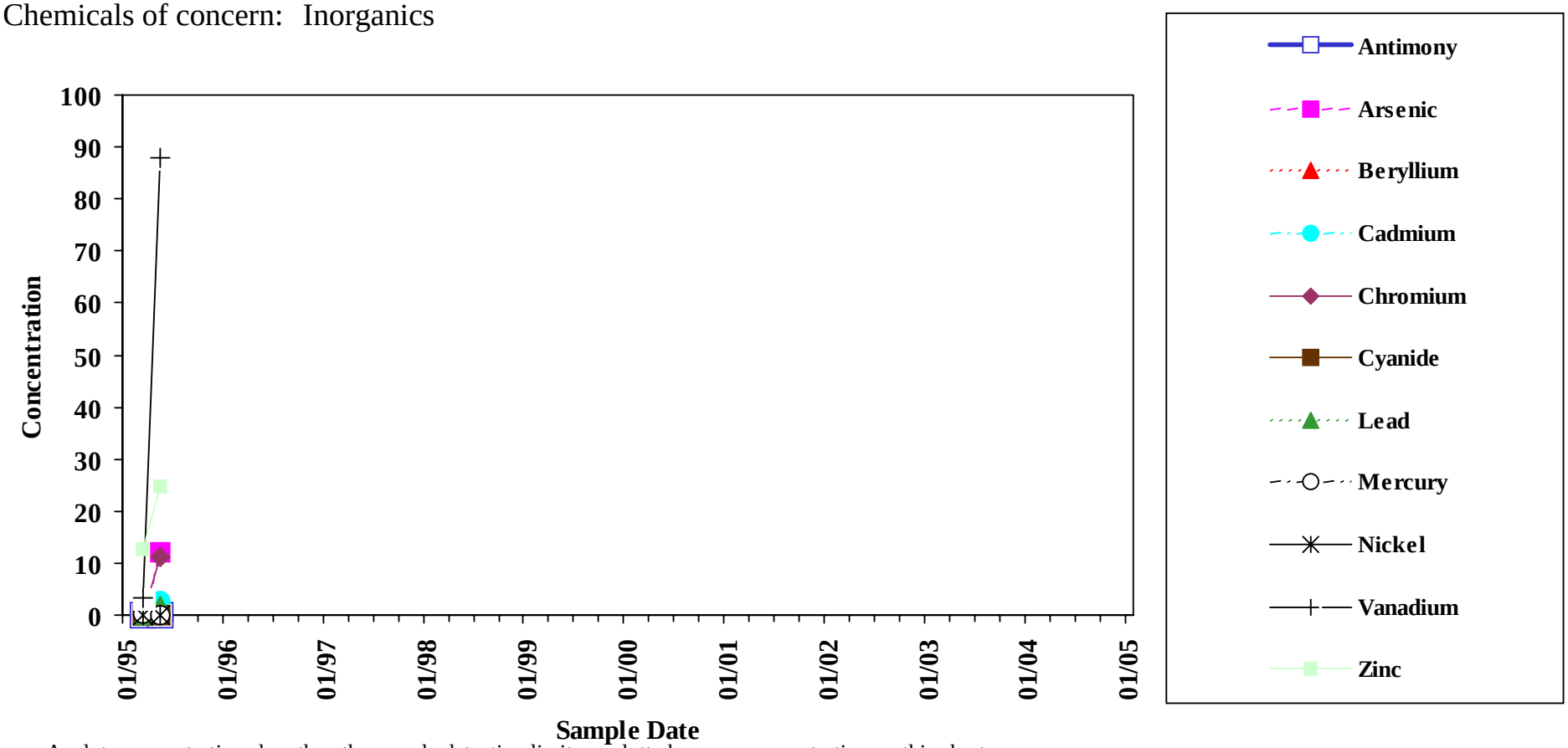
Sample concentration units: µg/L

Sample Location:

SEEP-02

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

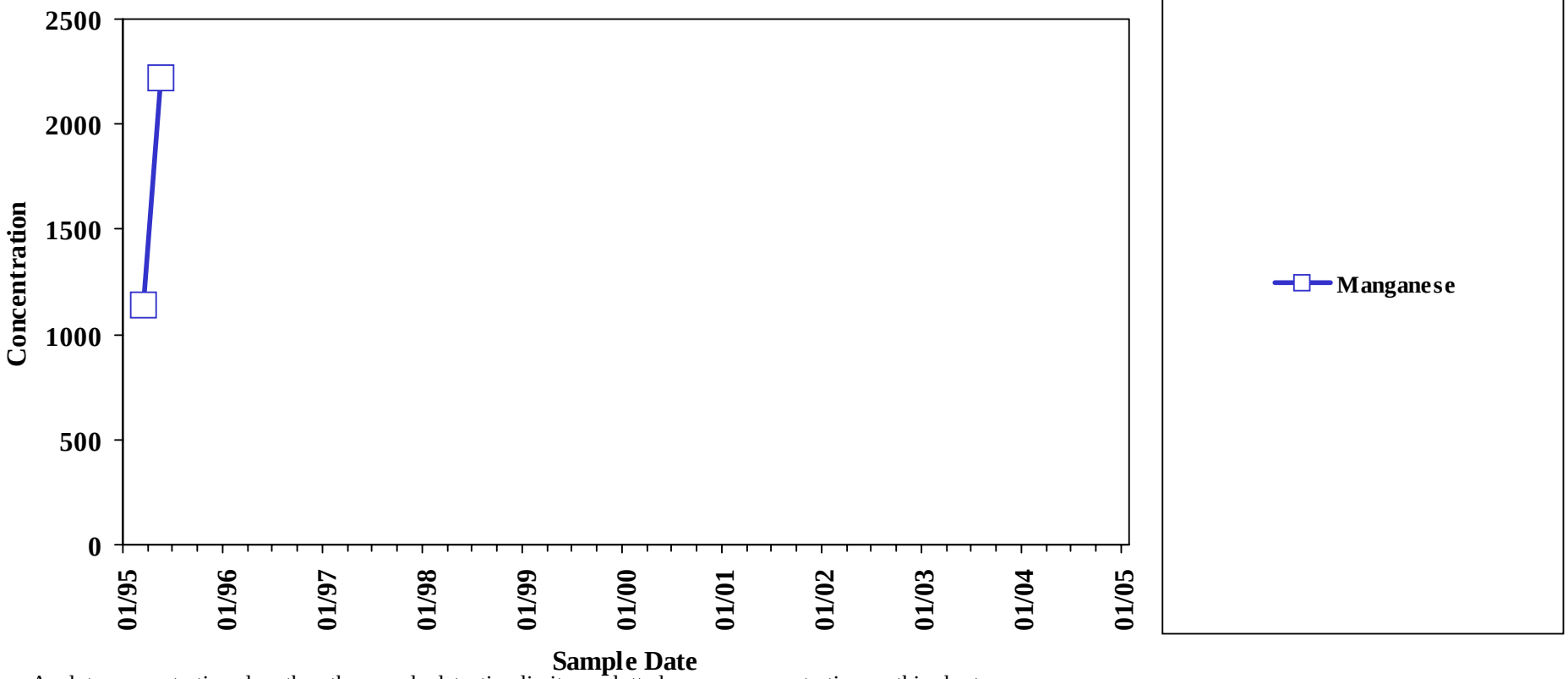
Sample concentration units: µg/L

Sample Location:

SEEP-02

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

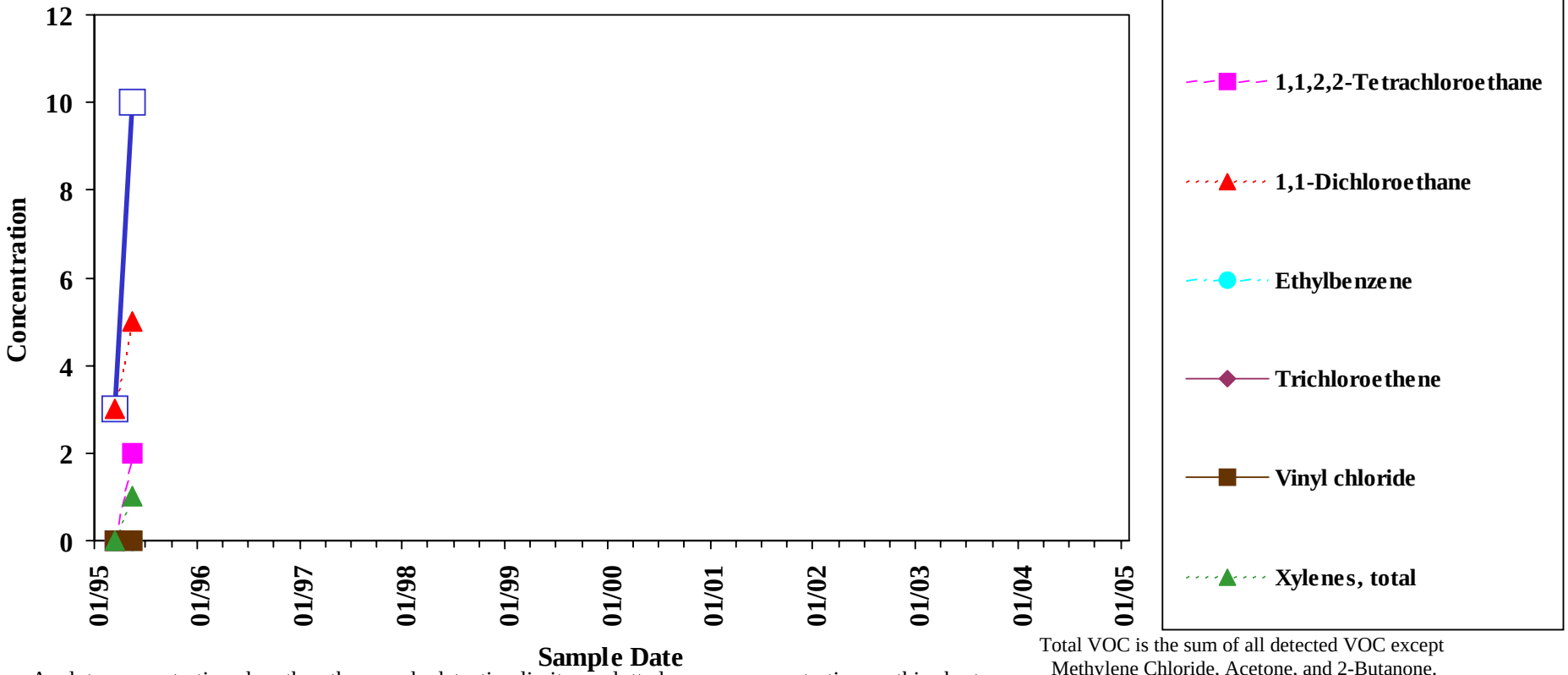
Sample concentration units: µg/L

Sample Location:

SEEP-02

Sites 1 & 3
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

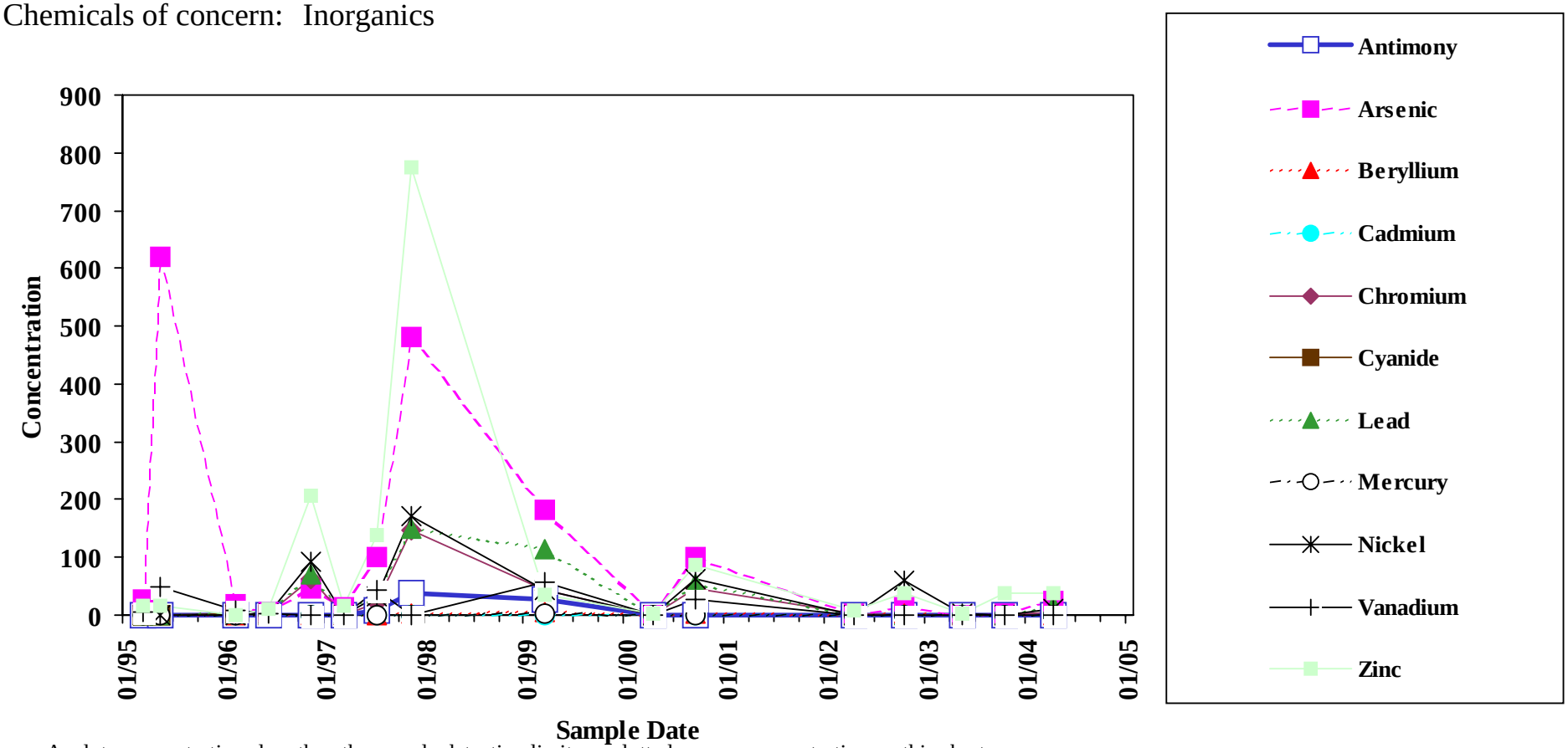
Sample concentration units: µg/L

Sample Location:

SEEP-03

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

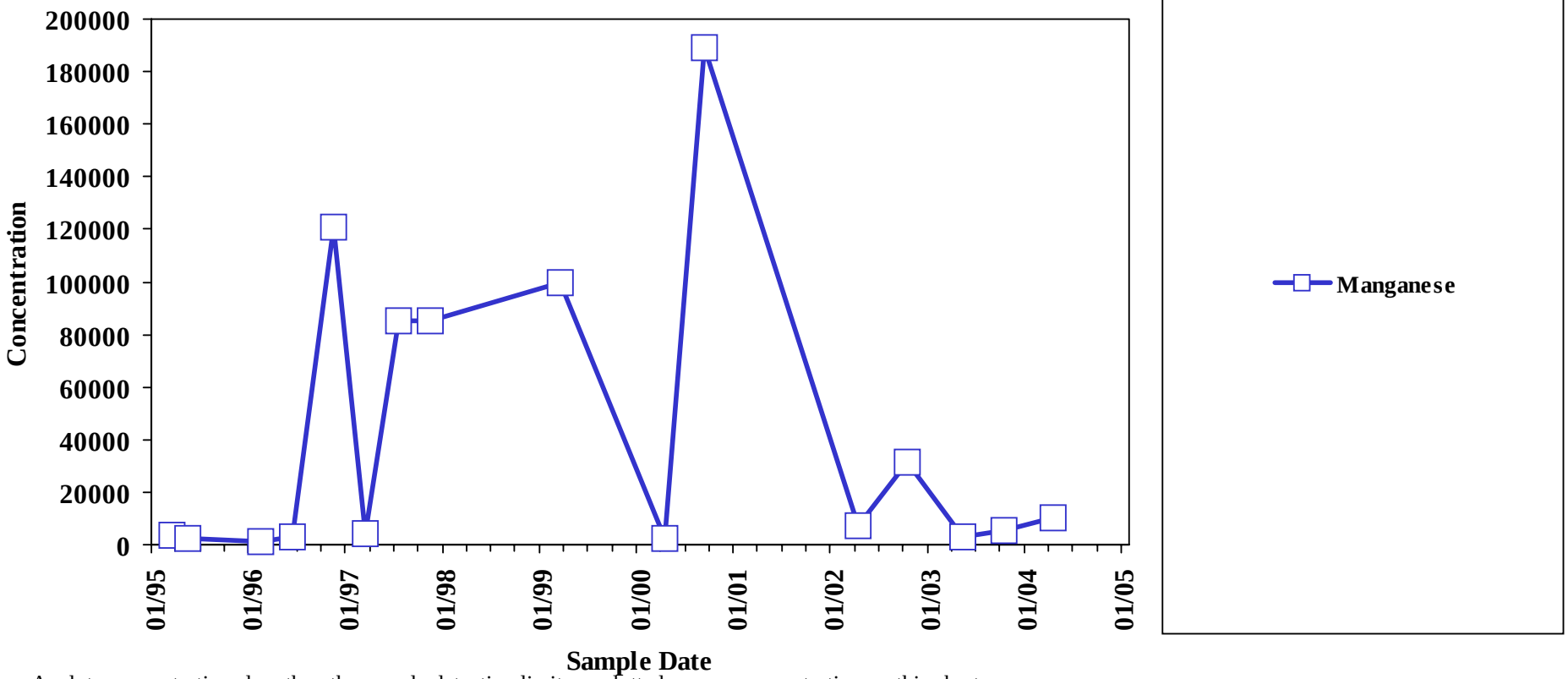
Sample concentration units: mg/L

Sample Location:

SEEP-03

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

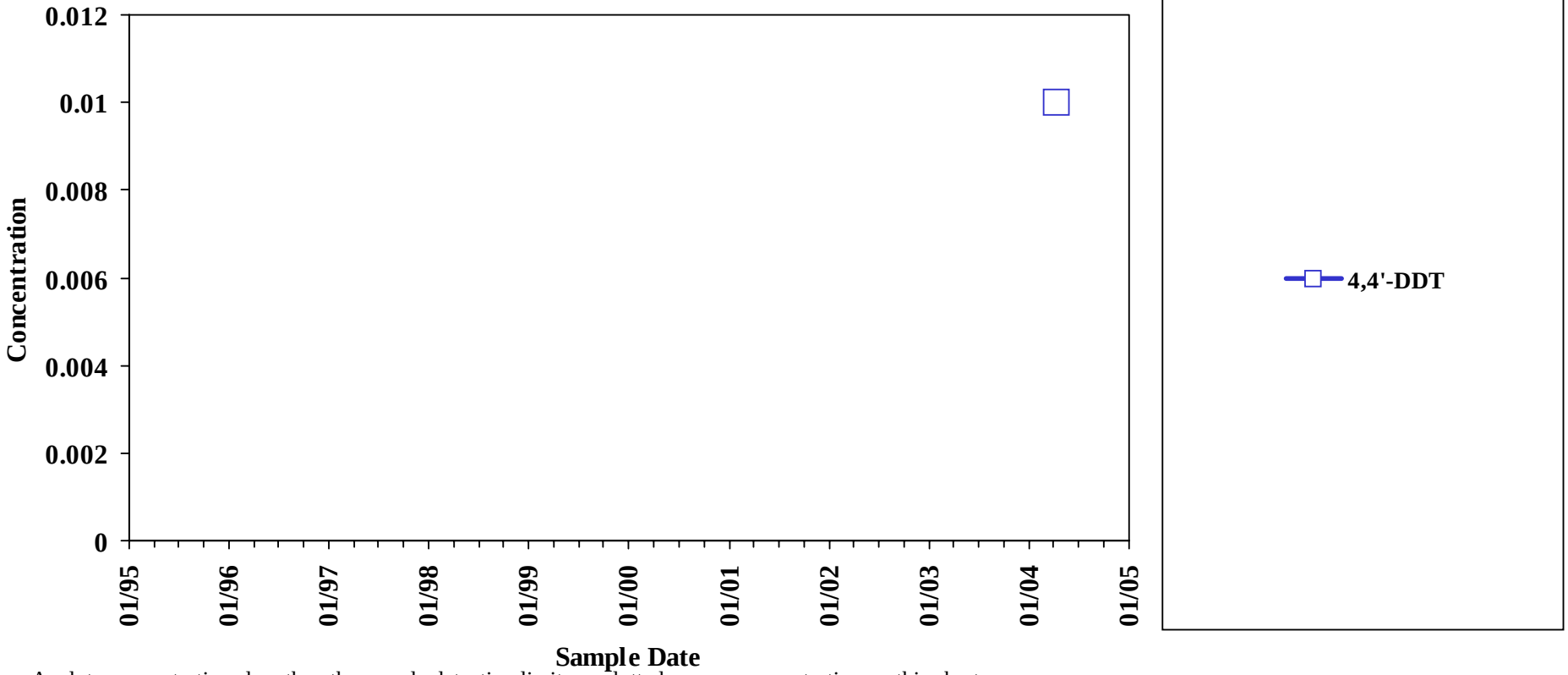
Sample concentration units: µg/L

Sample Location:

SEEP-03

Sites 1 & 3
Leachate

Chemicals of concern: Pesticides



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

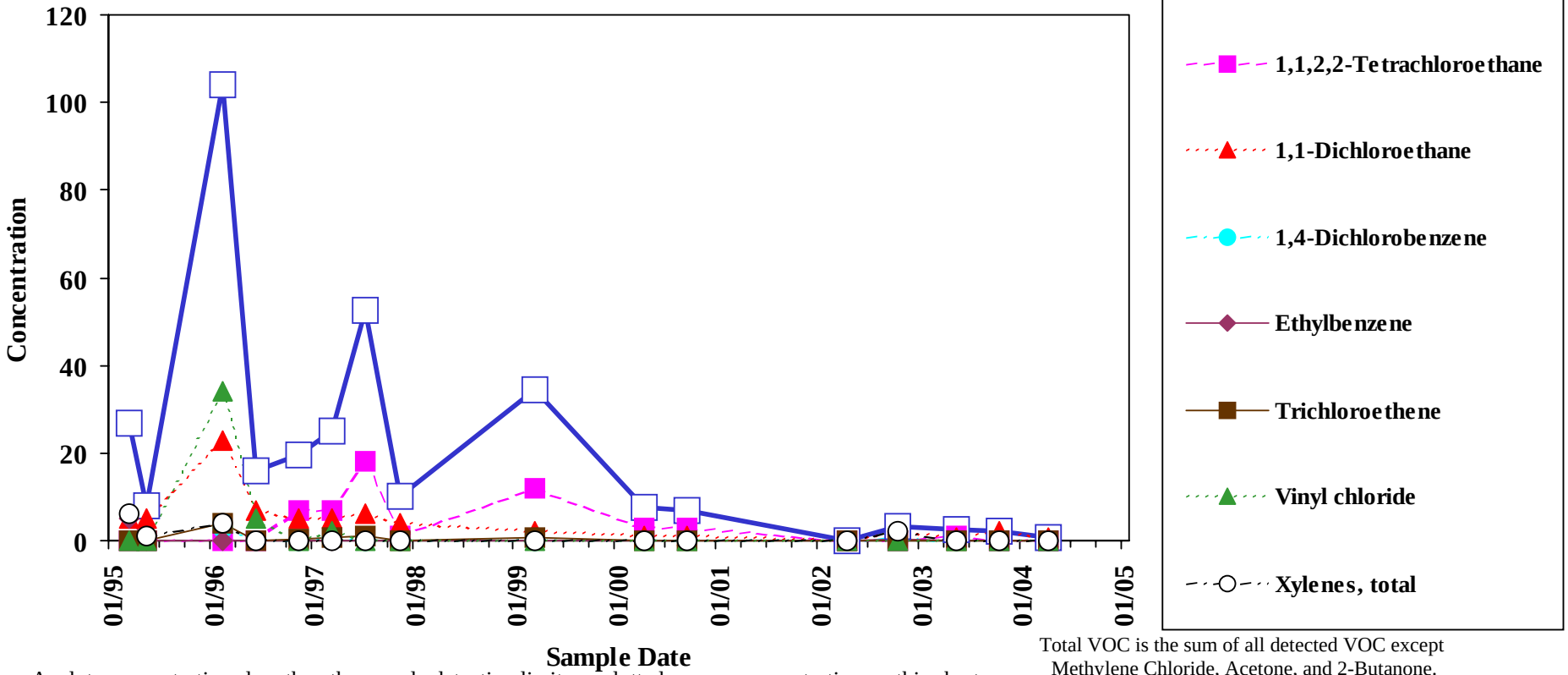
Sample concentration units: ug/l

Sample Location:

SEEP-03

Sites 1 & 3
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

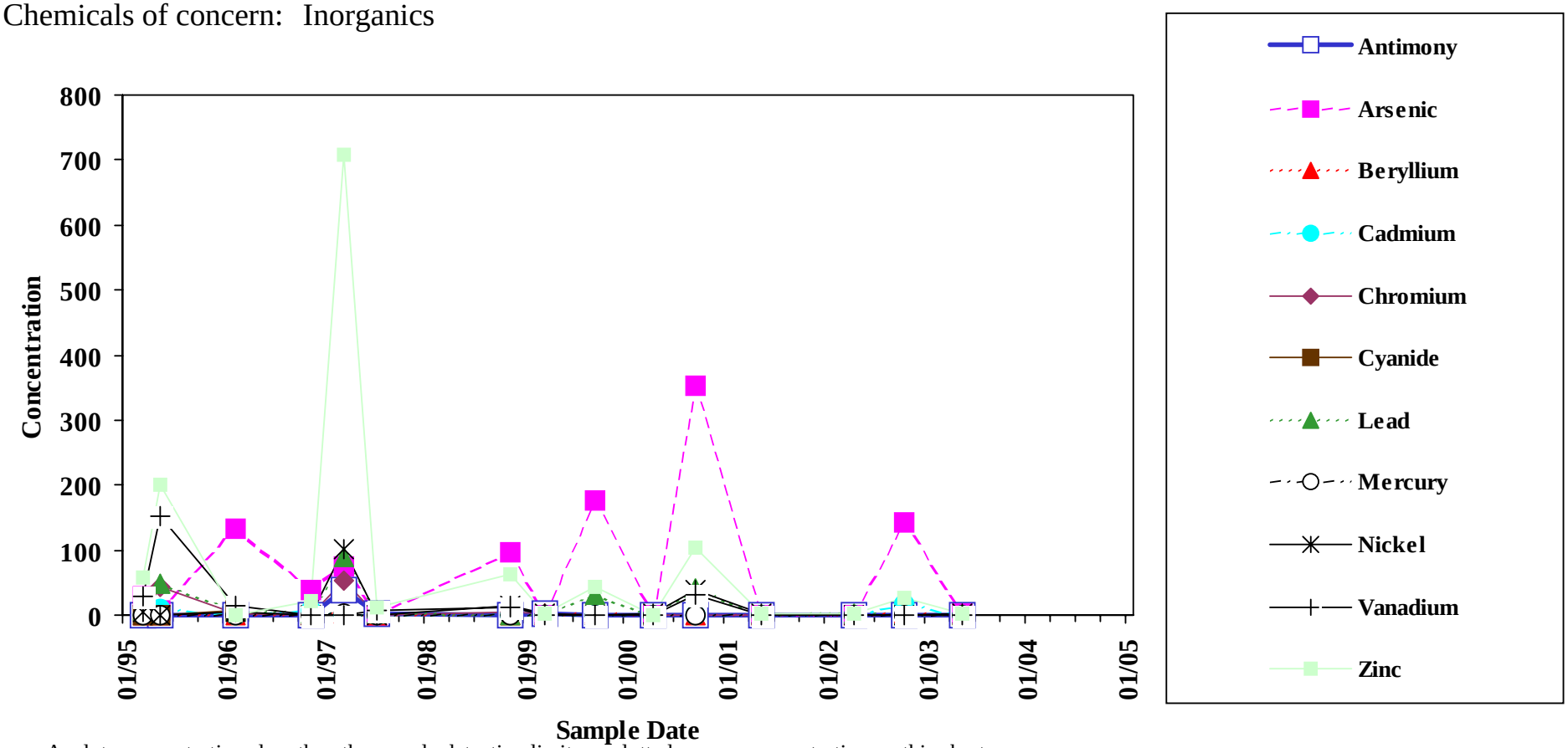
Sample concentration units: µg/L

Sample Location:

SEEP-04

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

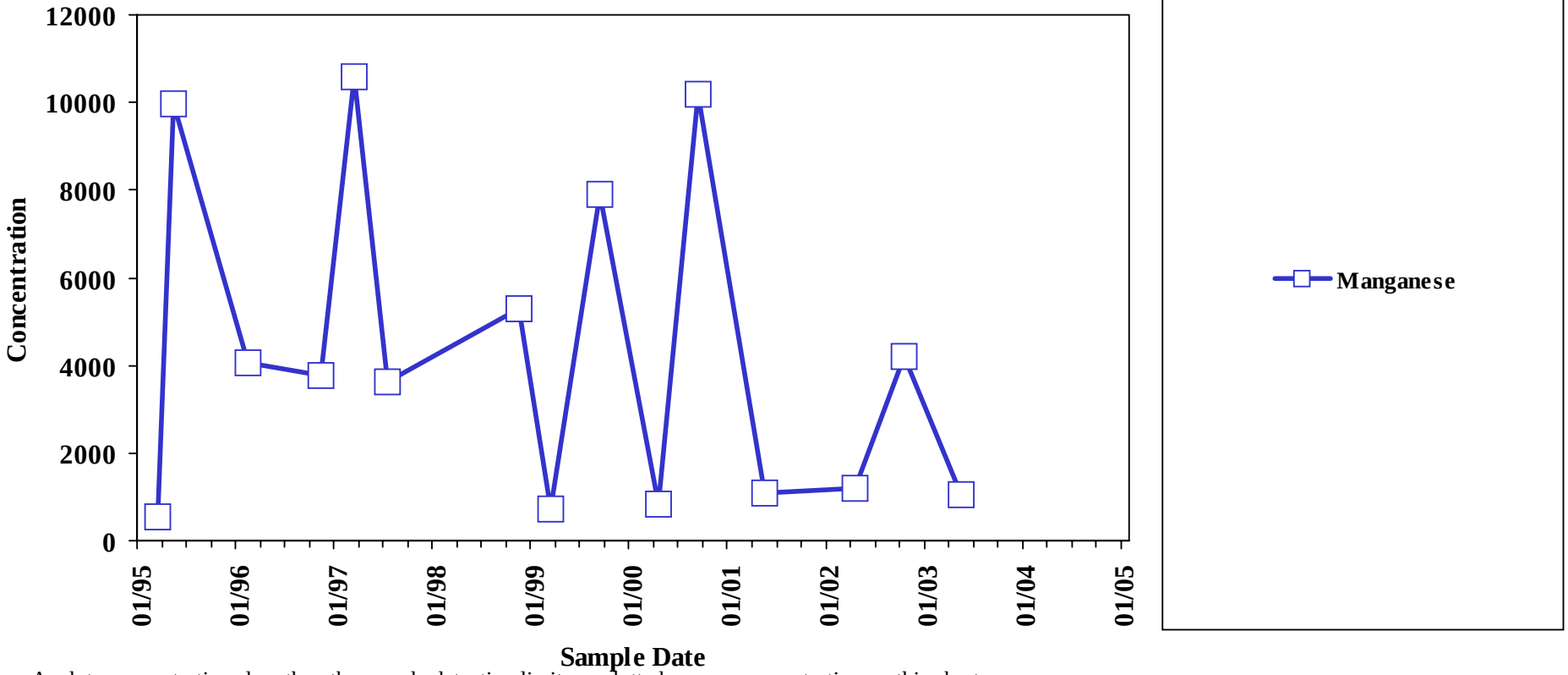
Sample concentration units: µg/L

Sample Location:

SEEP-04

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

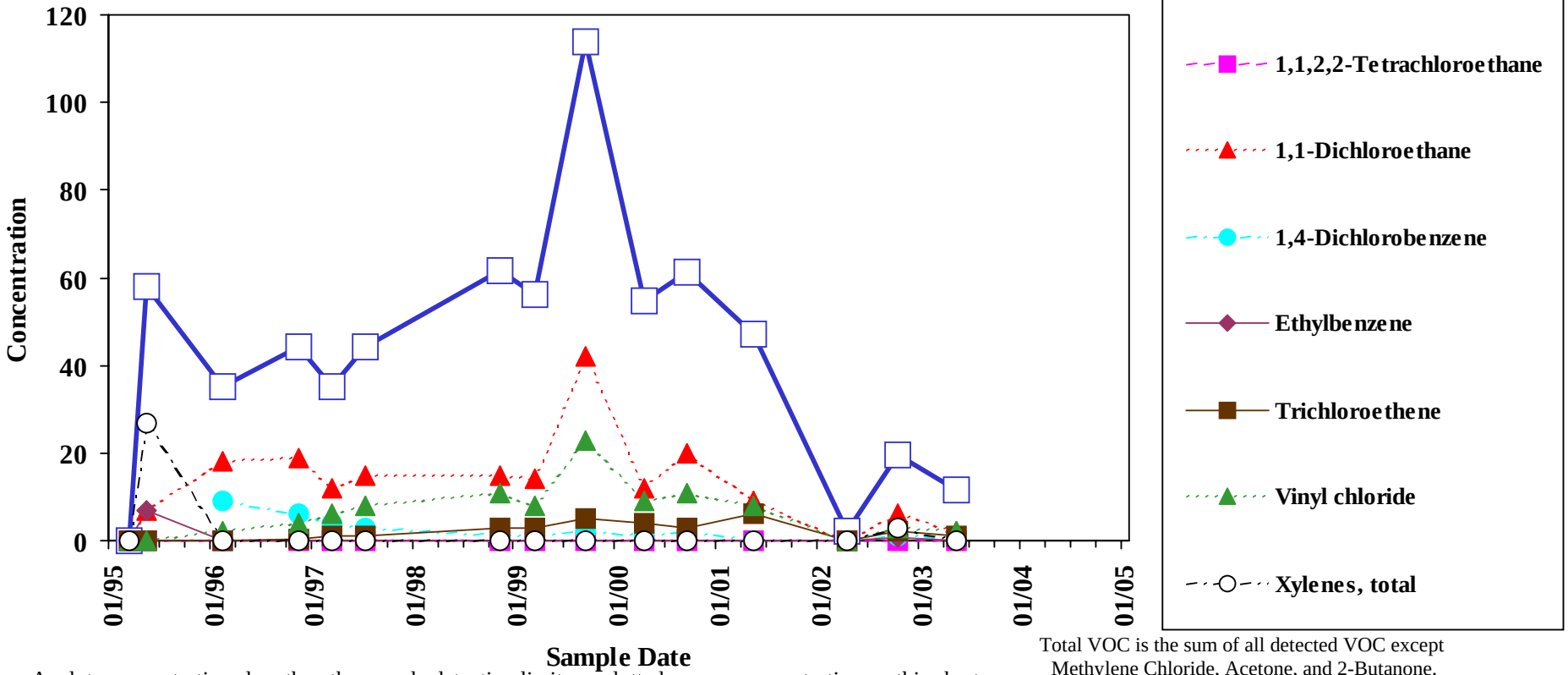
Sample Location:

SEEP-04

Sites 1 & 3

Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

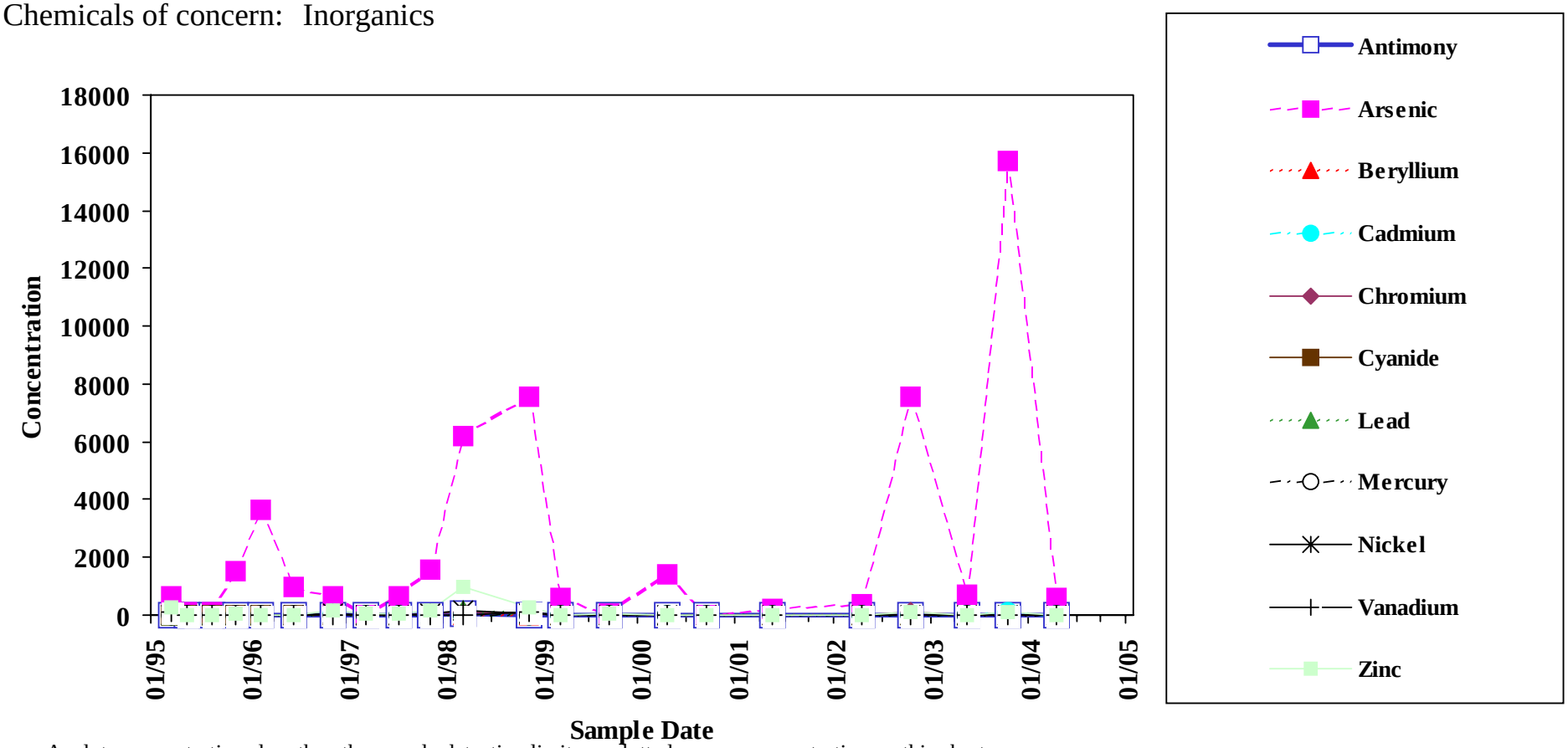
Sample concentration units: µg/L

Sample Location:

SEEP-05

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

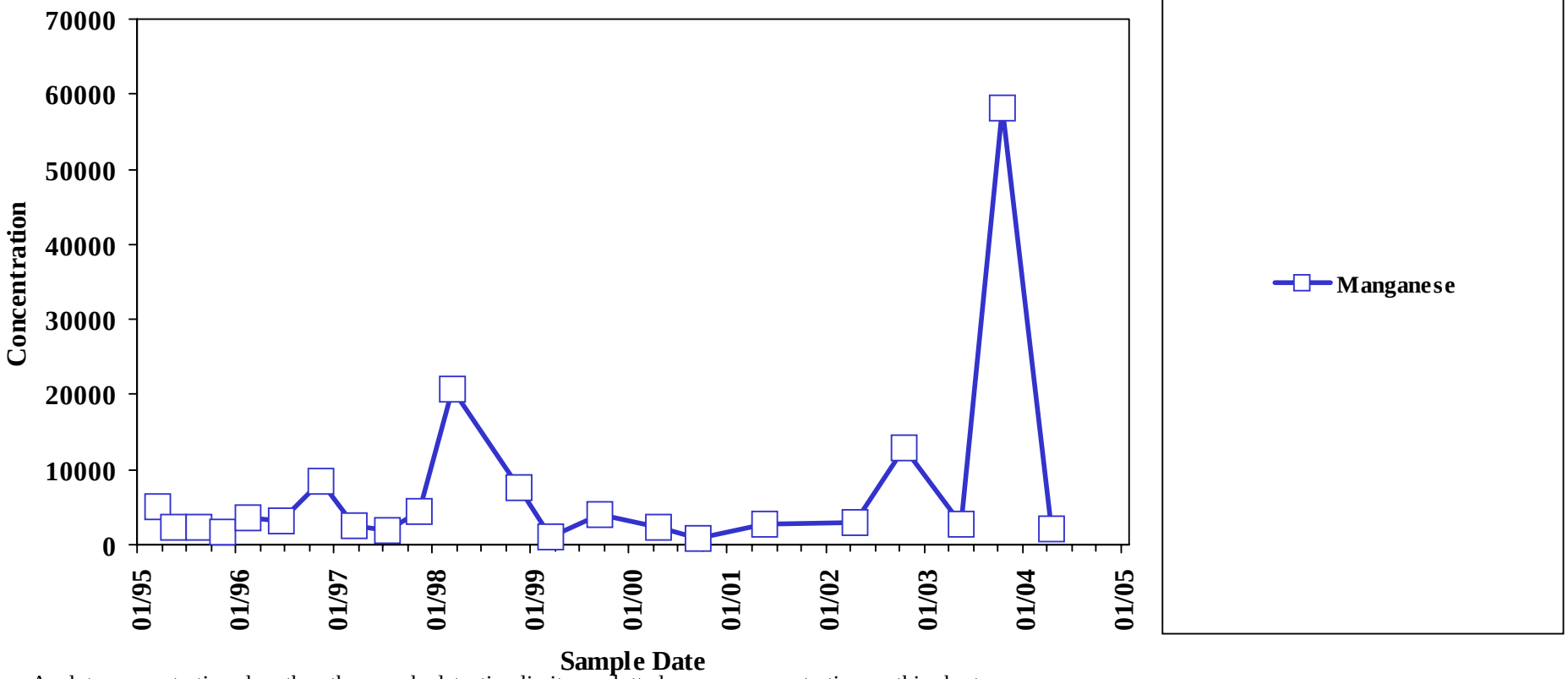
Sample concentration units: µg/L

Sample Location:

SEEP-05

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

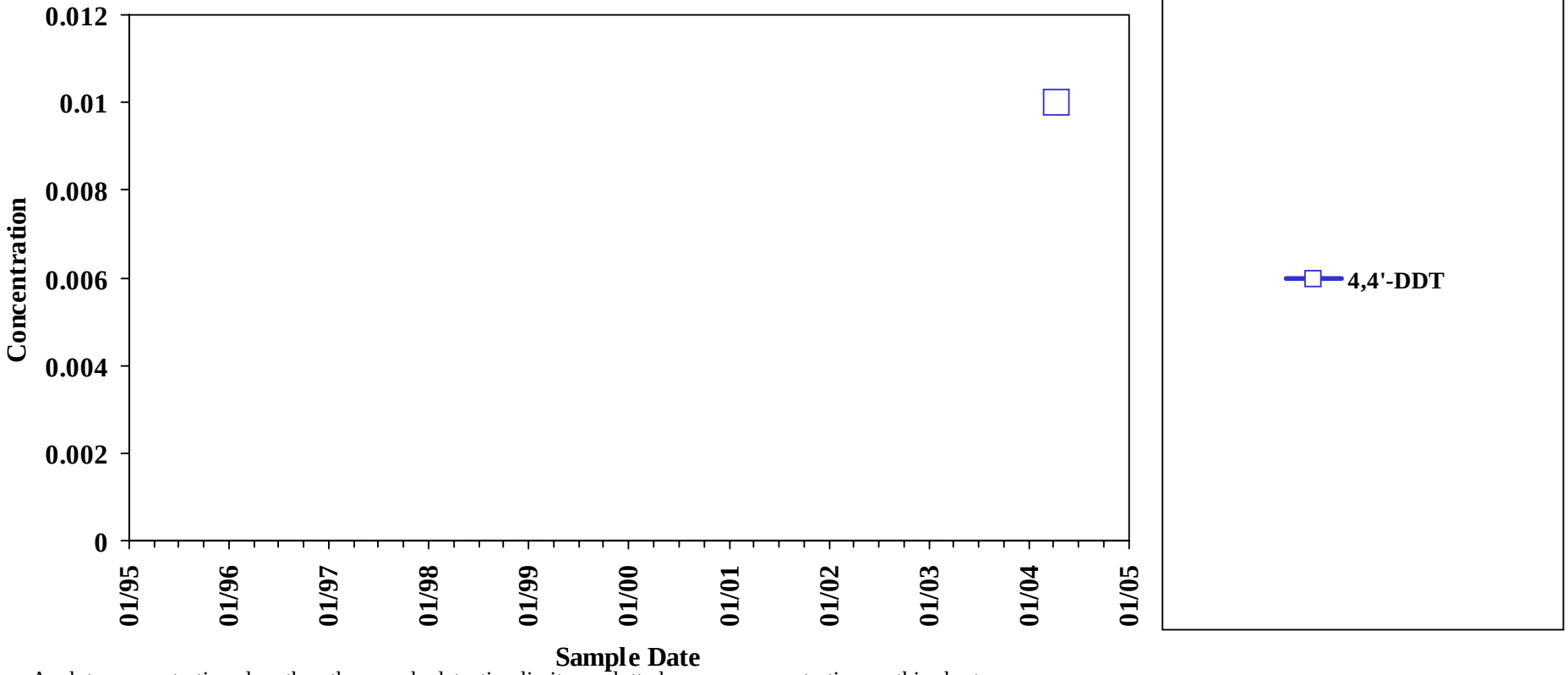
Sample concentration units: µg/L

Sample Location:

SEEP-05

Sites 1 & 3
Leachate

Chemicals of concern: Pesticides



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

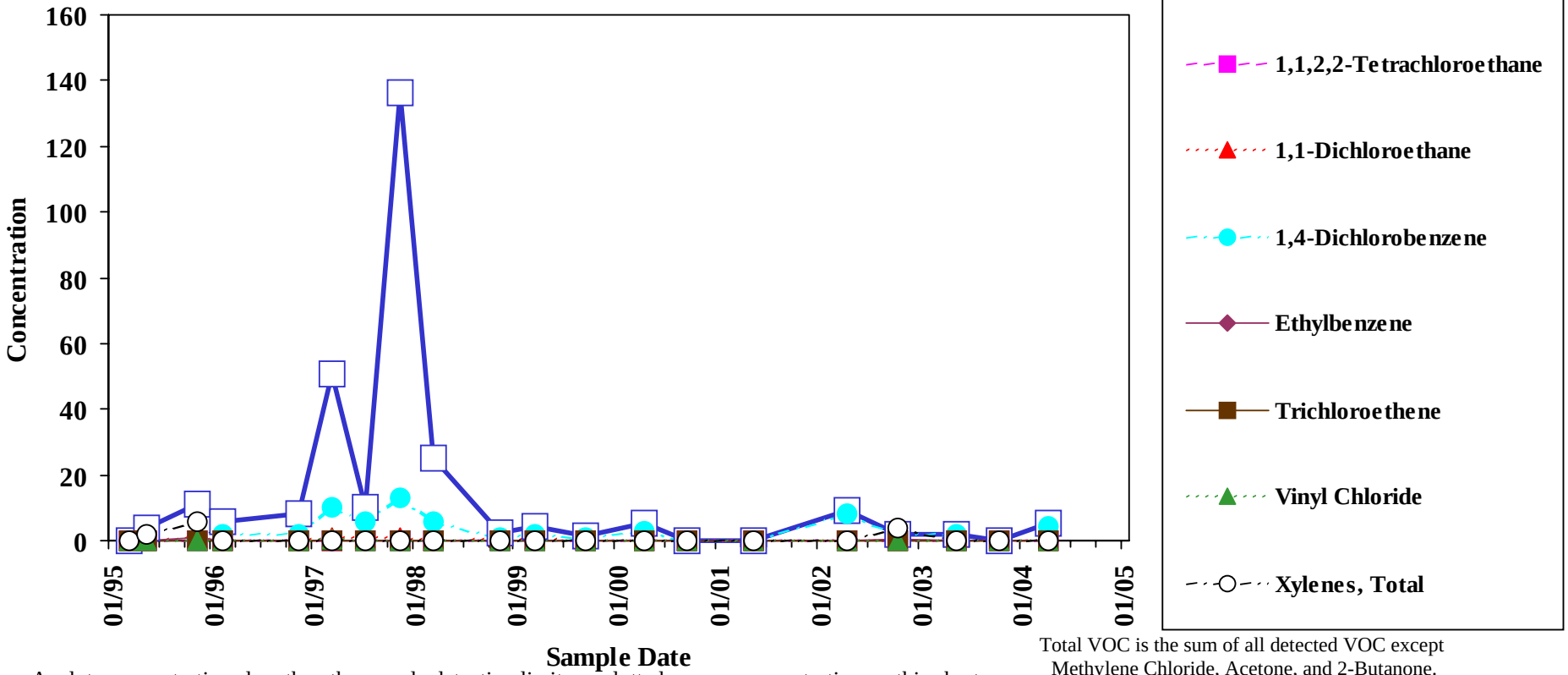
Sample concentration units: ug/l

Sample Location:

SEEP-05

Sites 1 & 3
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

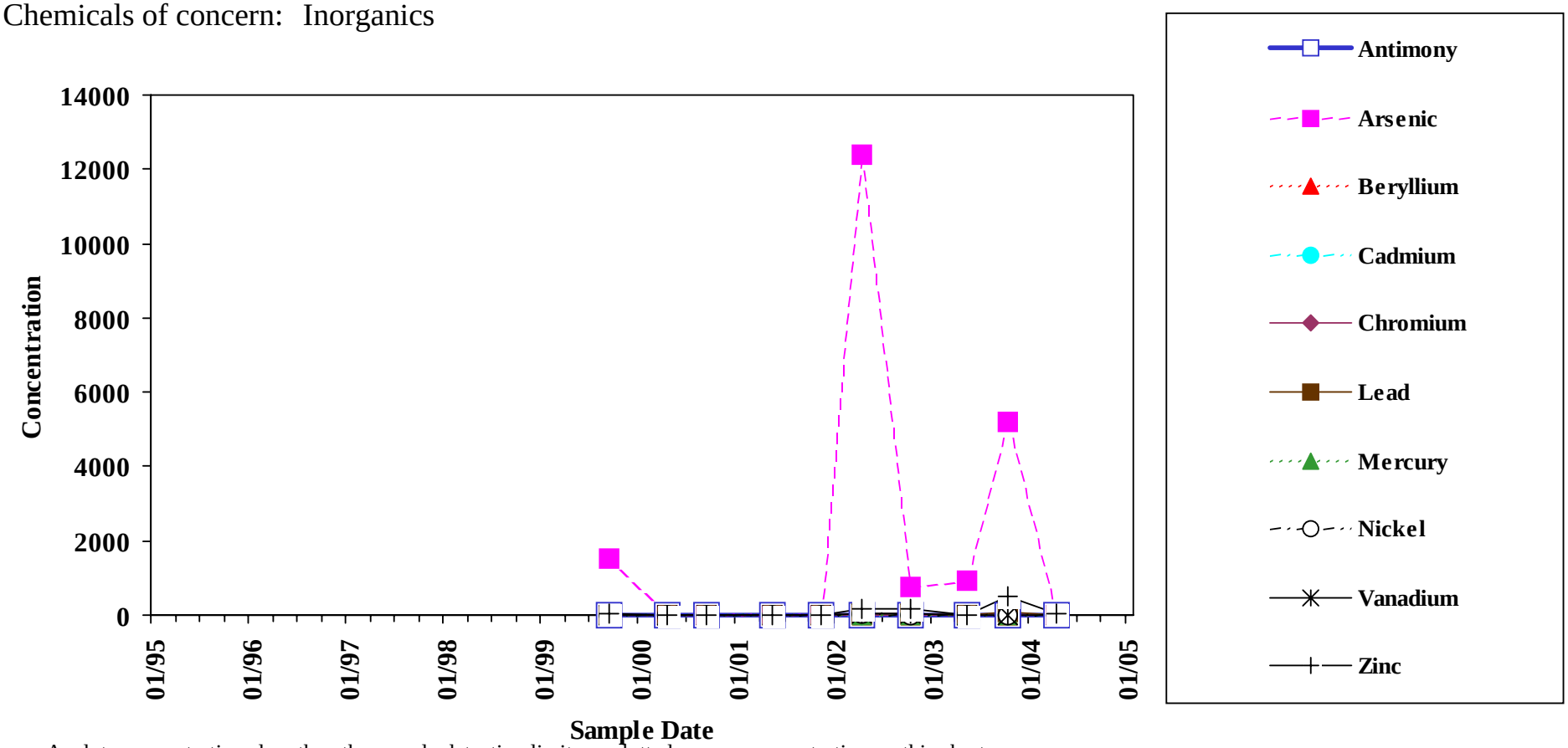
Sample concentration units: µg/L

Sample Location:

SEEP-09

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

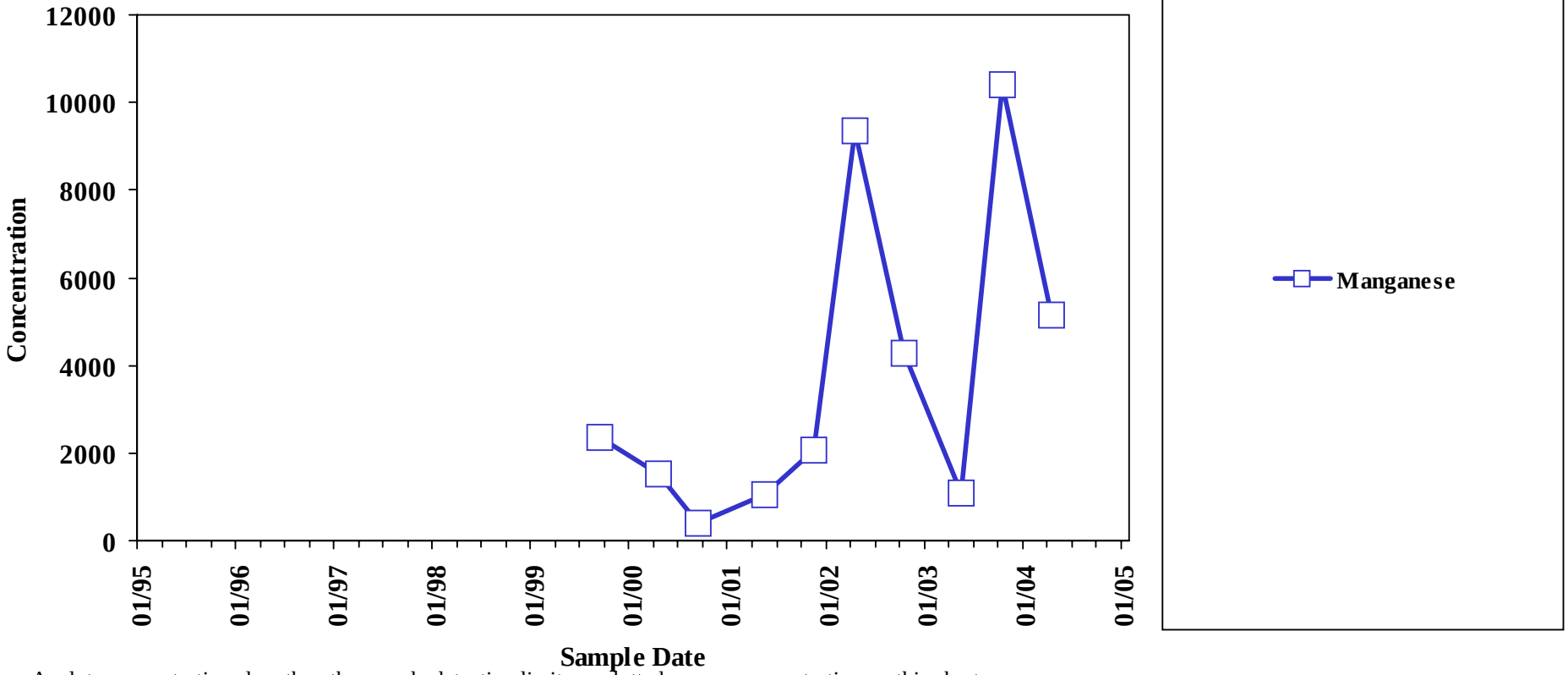
Sample concentration units: µg/L

Sample Location:

SEEP-09

Sites 1 & 3
Leachate

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

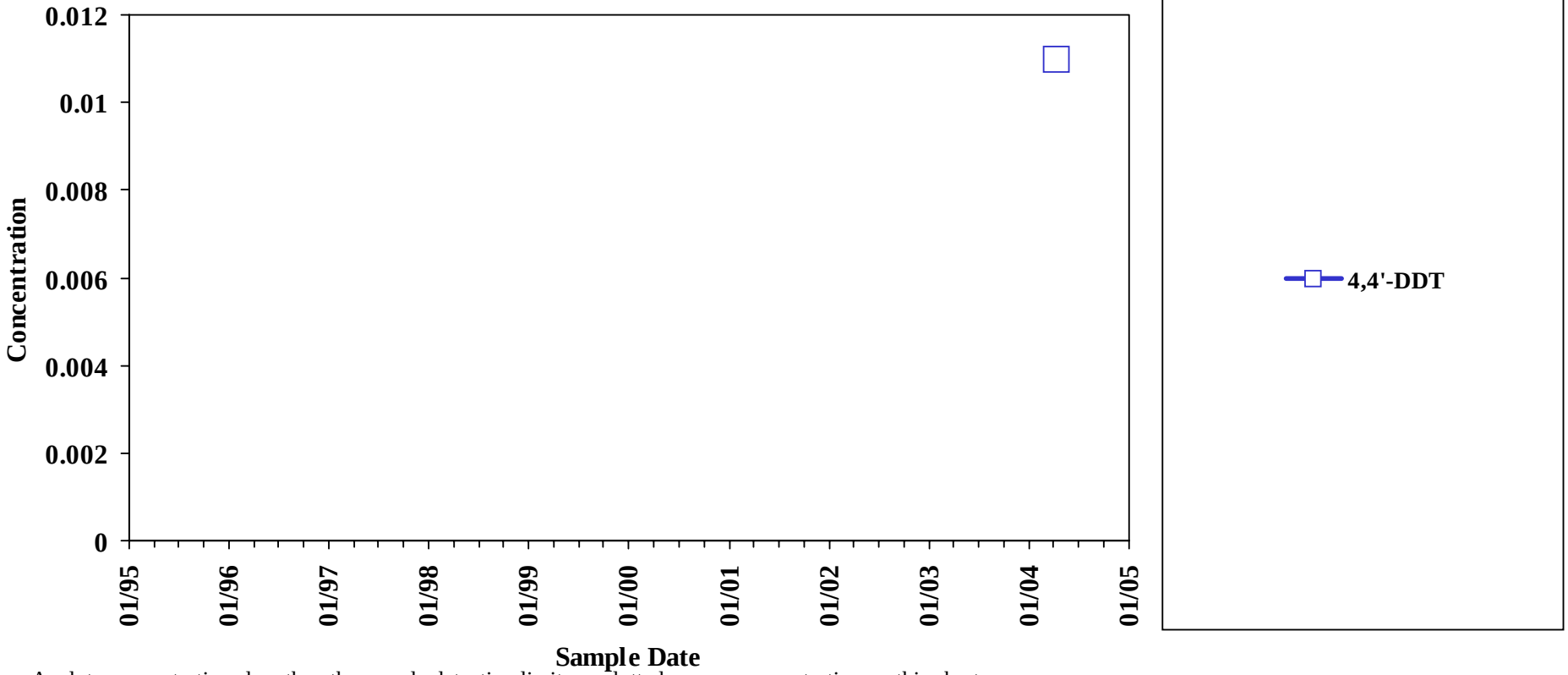
Sample concentration units: µg/L

Sample Location:

SEEP-09

Sites 1 & 3
Leachate

Chemicals of concern: Pesticides



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

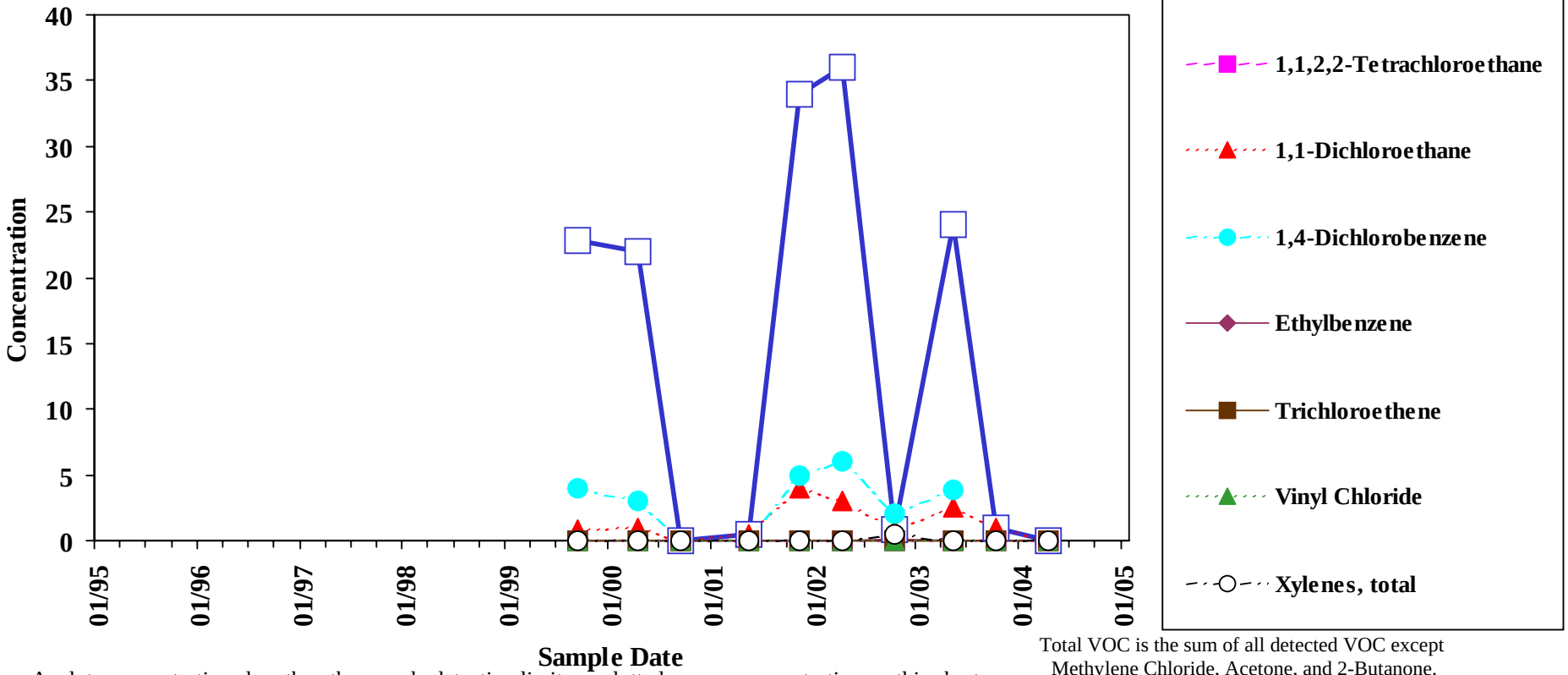
Sample concentration units: ug/l

Sample Location:

SEEP-09

Sites 1 & 3
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

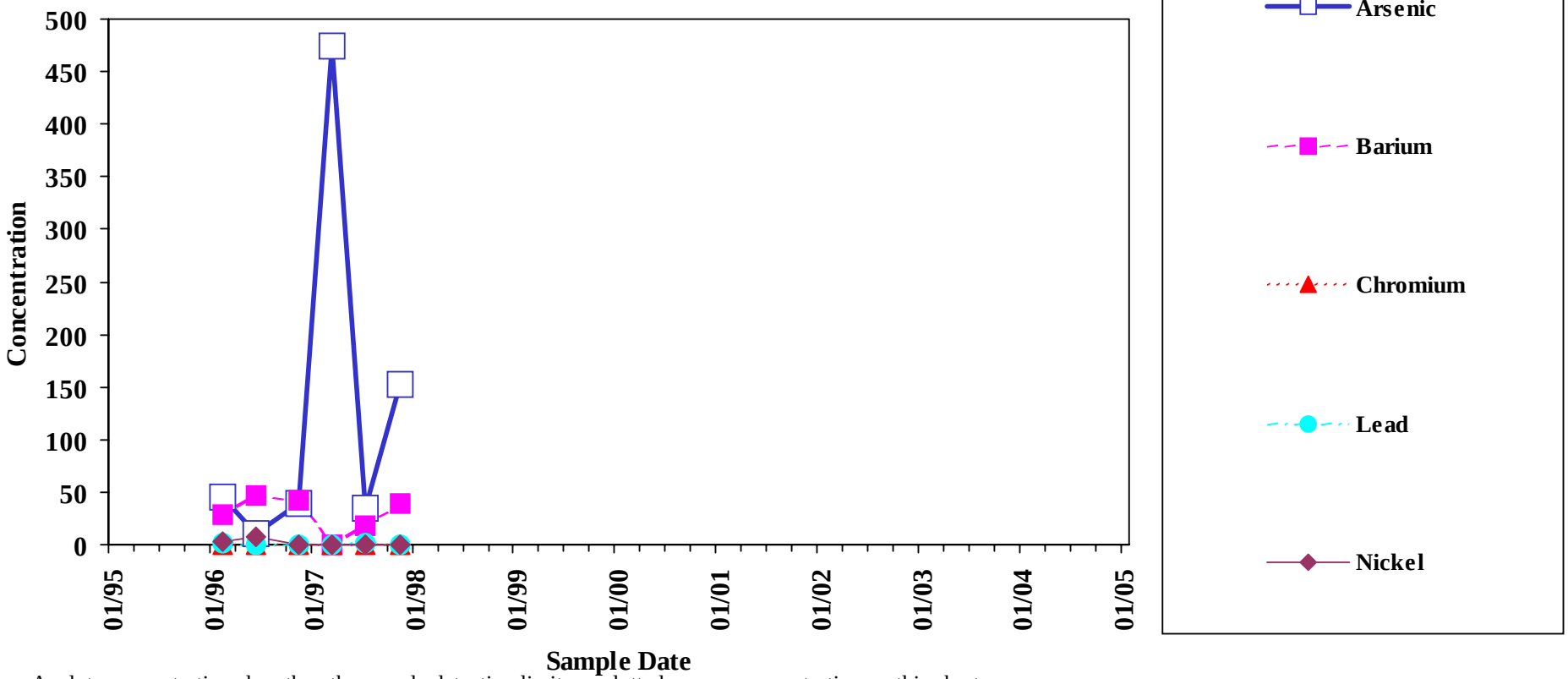
Sample concentration units: µg/L

Sample Location:

Sites 1 & 3 Raw Influent

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

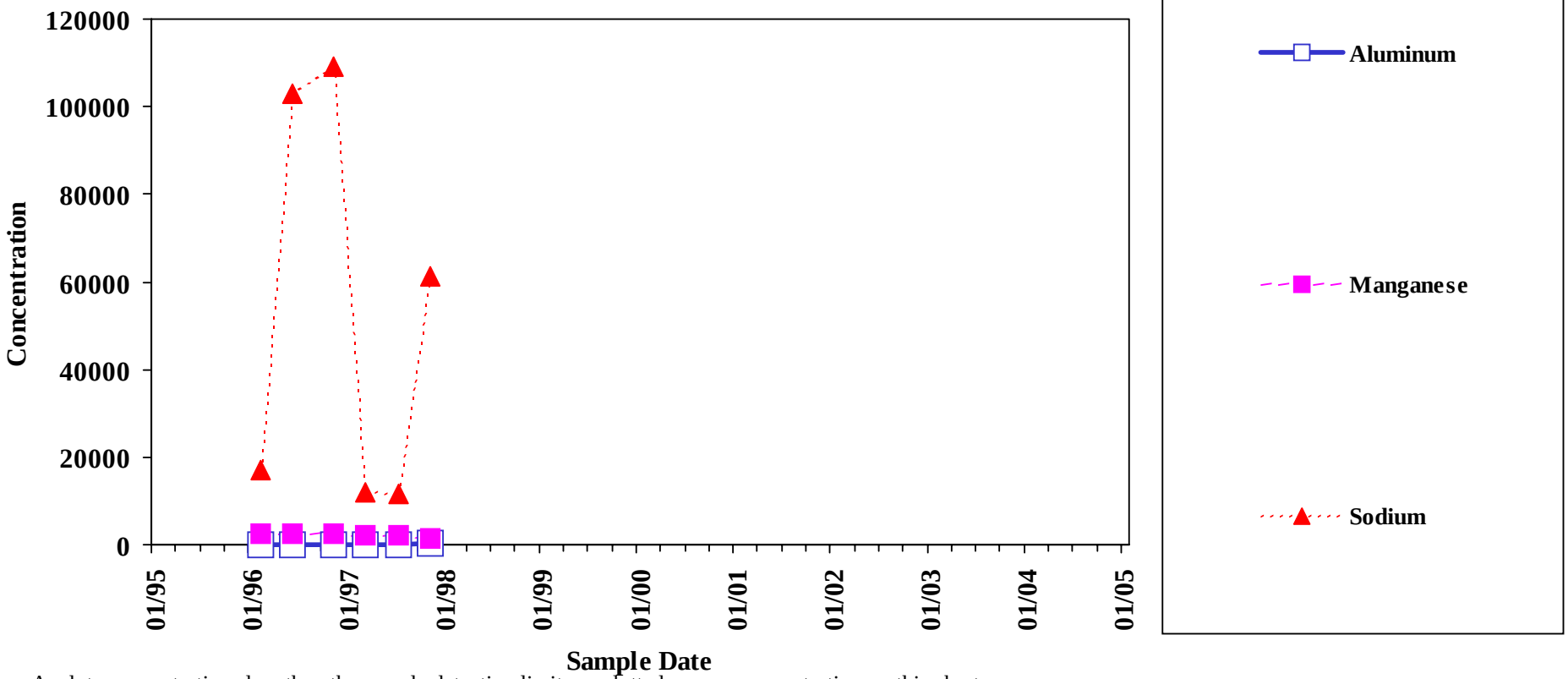
Arsenic		Barium		Chromium		Lead		Nickel	
MEG:	-	MEG:	1500	MEG:	100	MEG:	-	MEG:	100
MCL:	50	MCL:	2000	MCL:	100	MCL:	15	MCL:	100

Sample Location:

Sites 1 & 3 Raw Influent

Sites 1 & 3
Groundwater

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

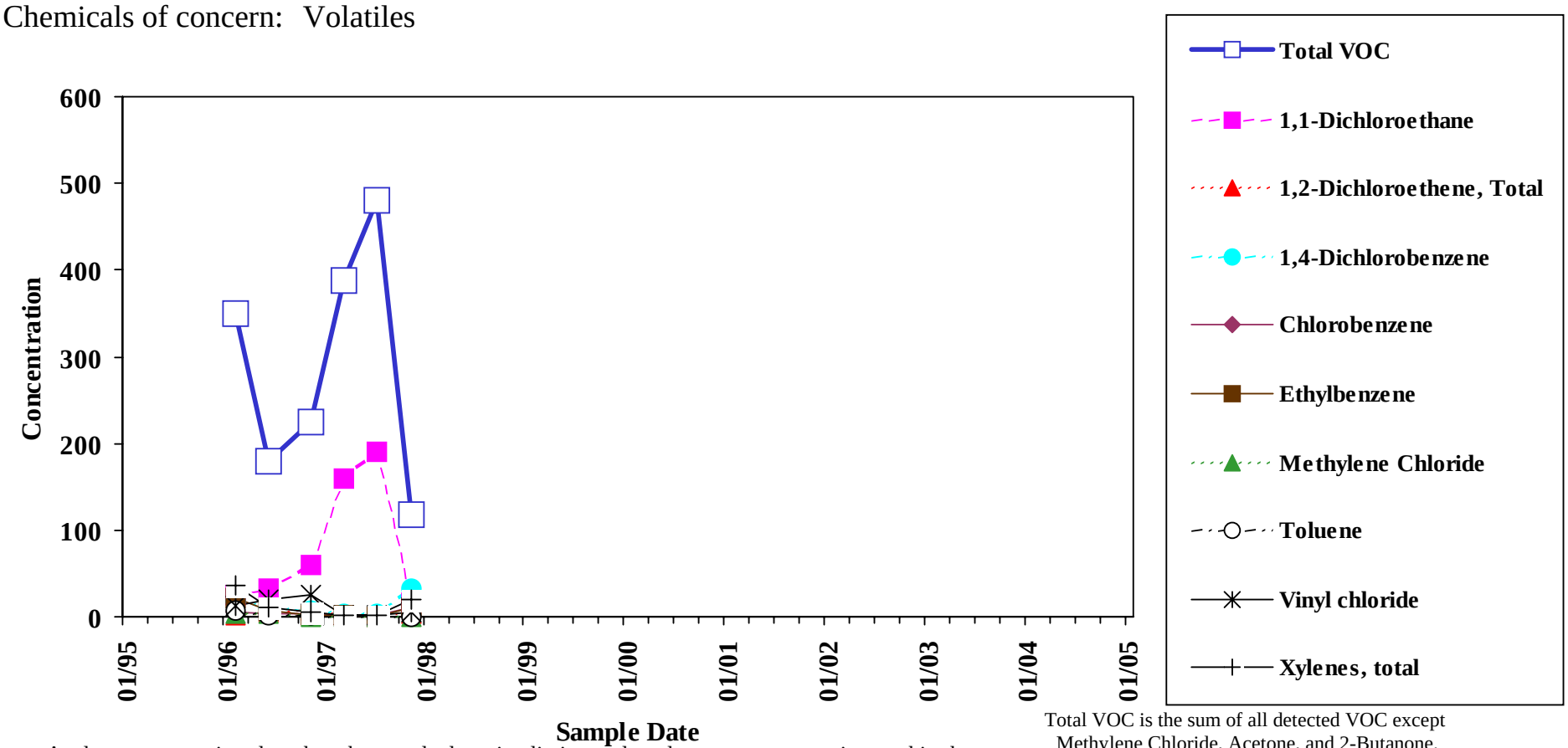
Aluminum		Manganese		Sodium	
MEG:	1430	MEG:	200	MEG:	-
MCL:	200	MCL:	50	MCL:	-

Sample Location:

Sites 1 & 3 Raw Influent

Sites 1 & 3
Groundwater

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

1,1-Dichloroethane		1,2-Dichloroethene, total		1,4-Dichlorobenzene		Chlorobenzene		Ethylbenzene		Methylene chloride		Toluene		Vinyl Chloride	
MEG:	70	MEG:	70	MEG:	27	MEG:	47	MEG:	700	MEG:	-	MEG:	1400	MEG:	0.15
MCL:	-	MCL:	70	MCL:	75	MCL:	100	MCL:	700	MCL:	5	MCL:	1000	MCL:	2

Xylenes, total	
MEG:	600
MCL:	10000

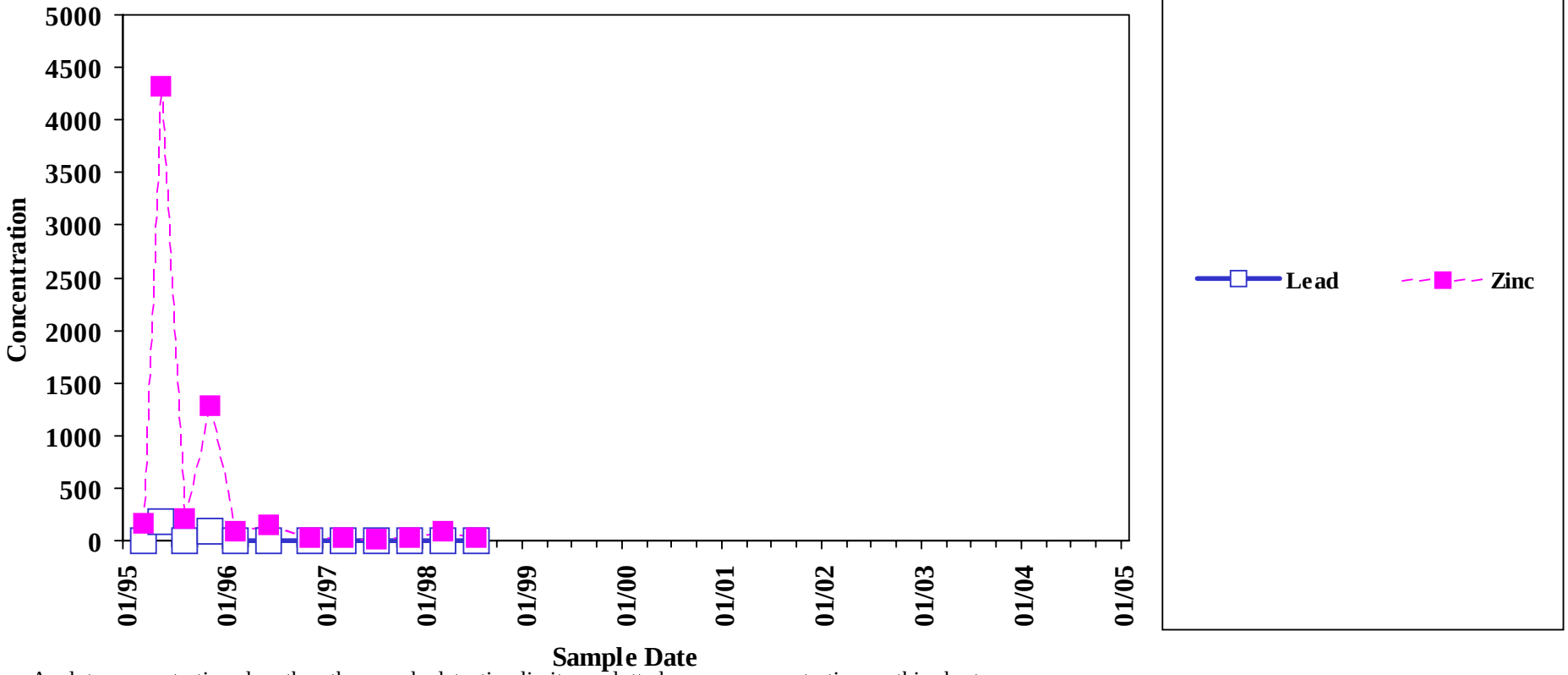
Sample Location:

SW-01

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

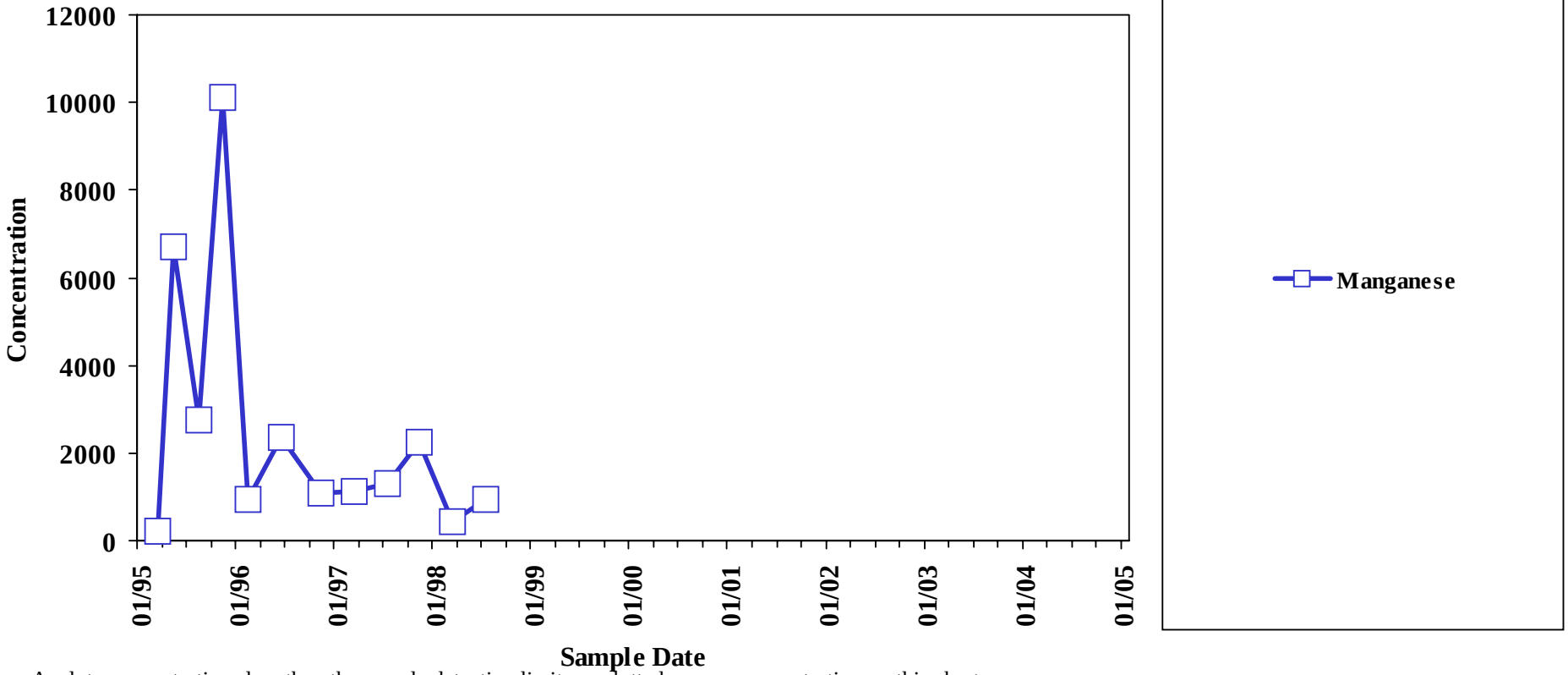
Sample Location:

SW-01

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

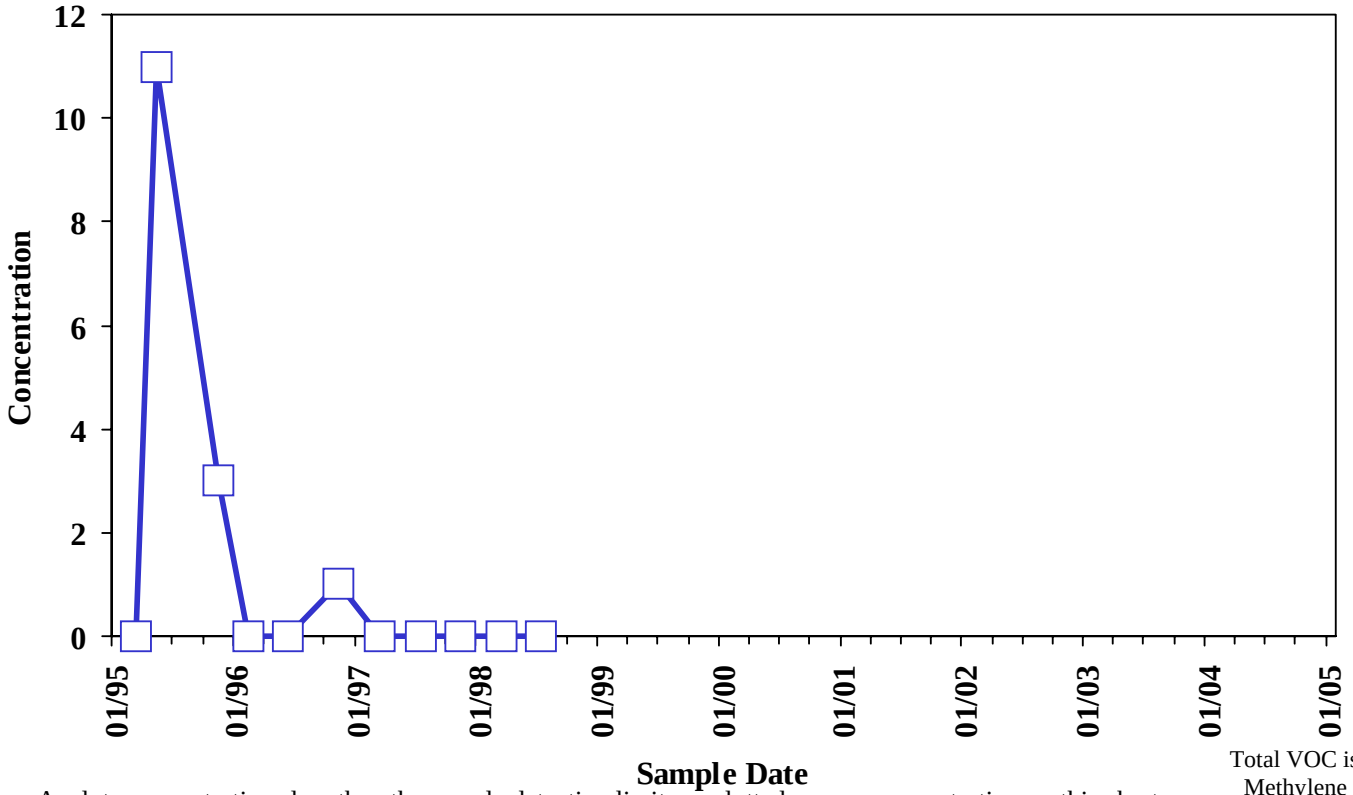
Sample Location:

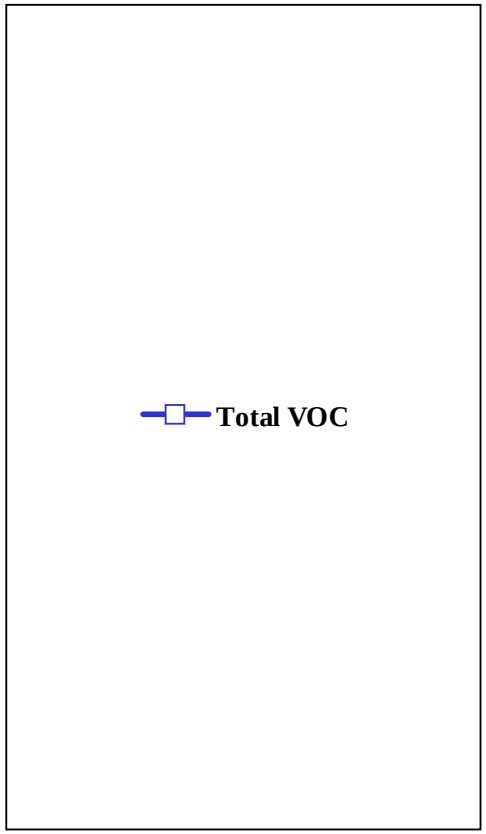
SW-01

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

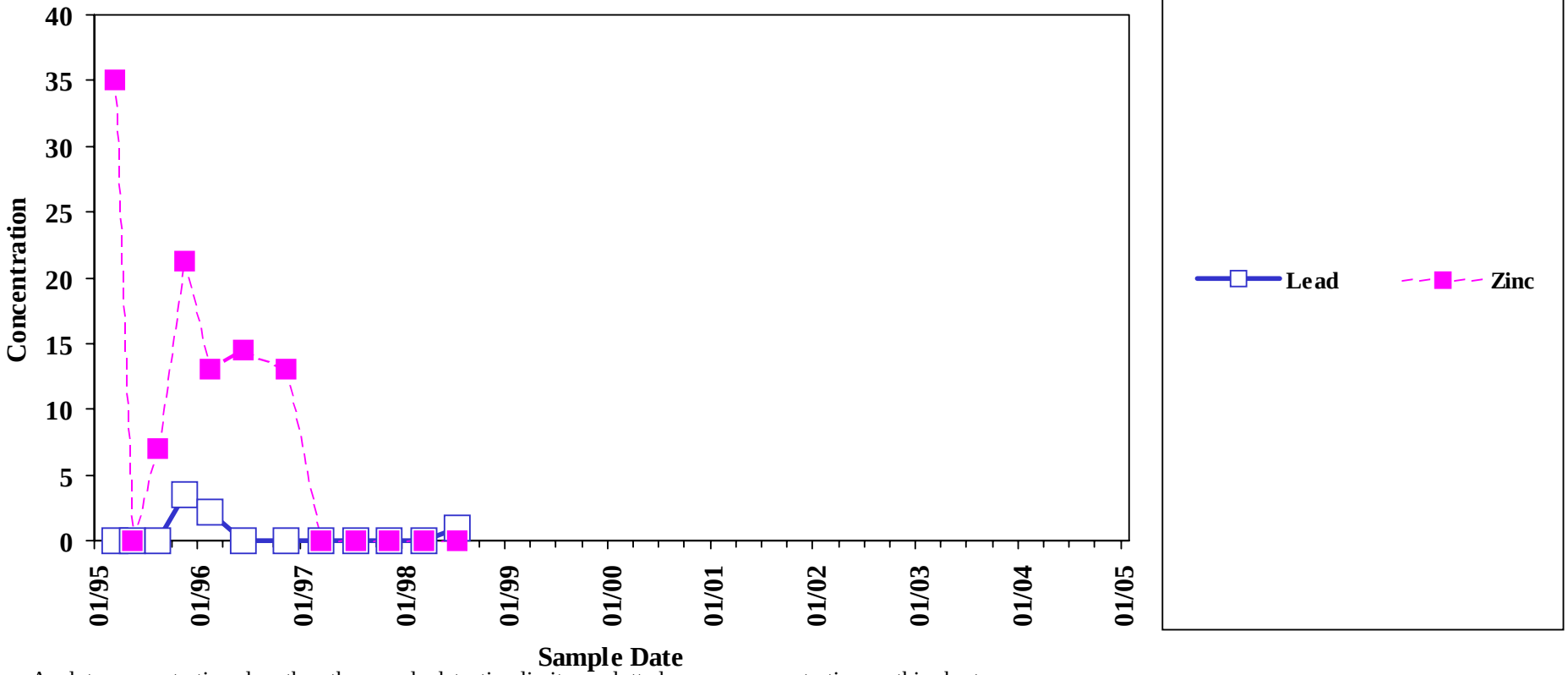
Sample Location:

SW-02

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

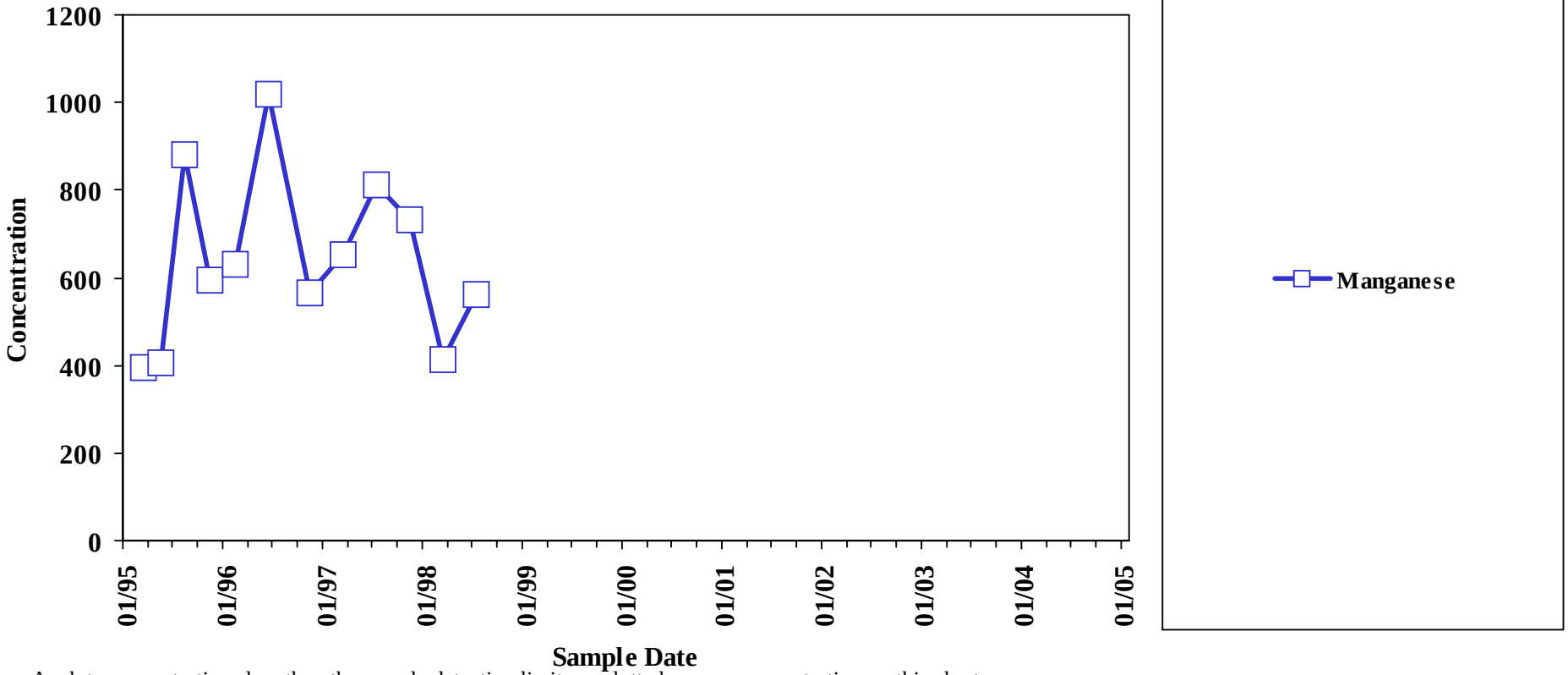
Sample Location:

SW-02

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

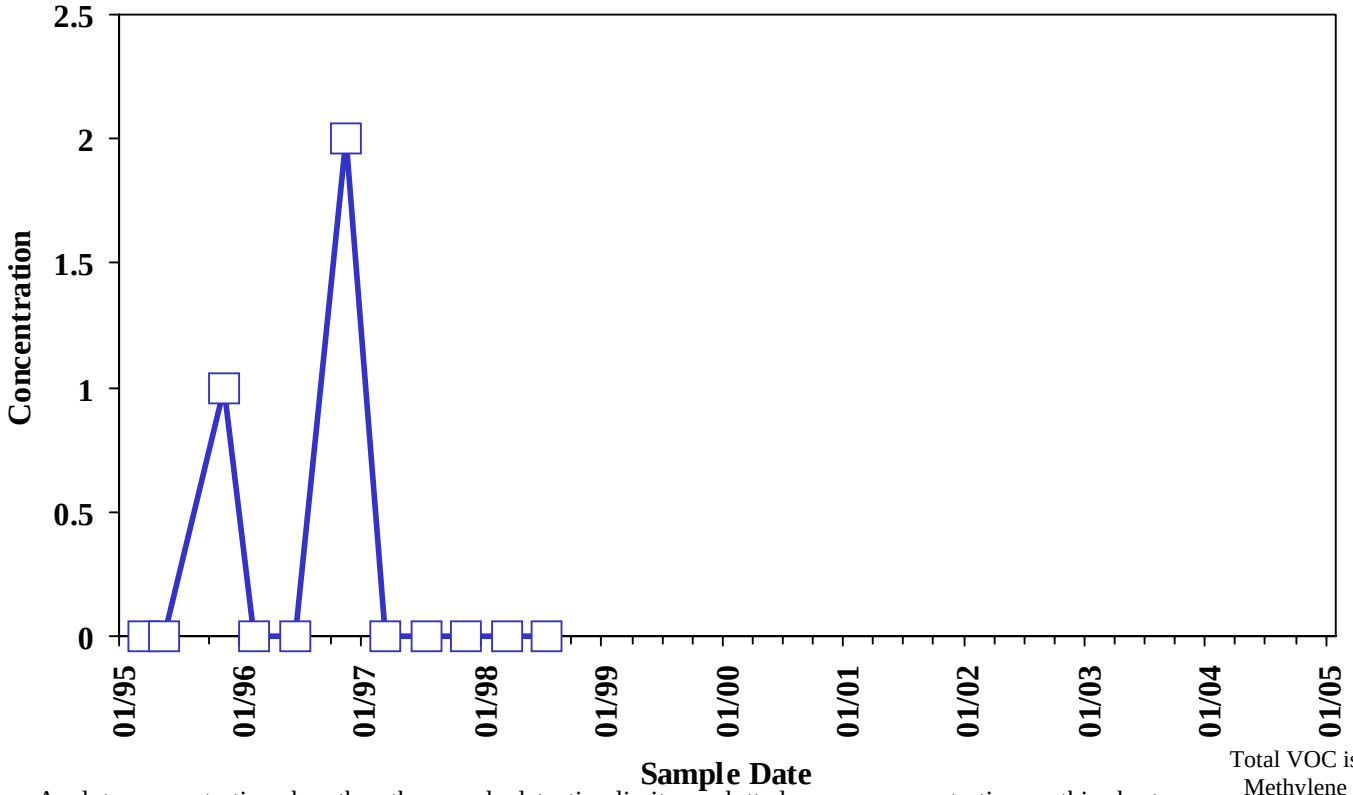
Sample Location:

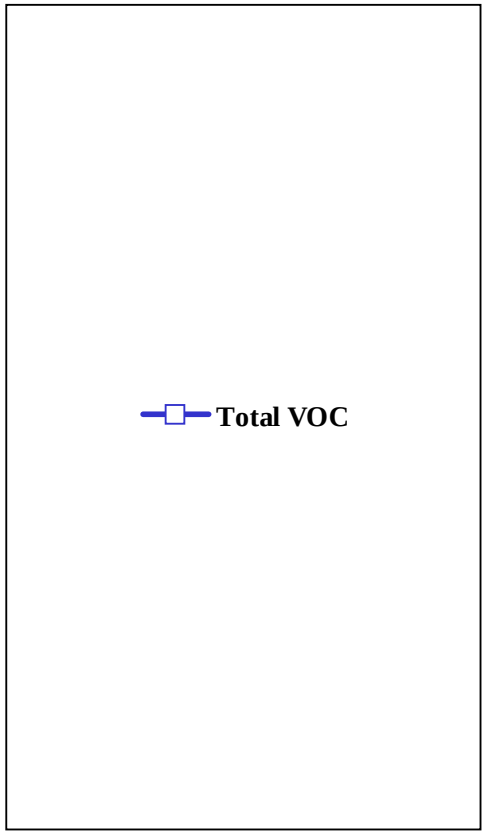
SW-02

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

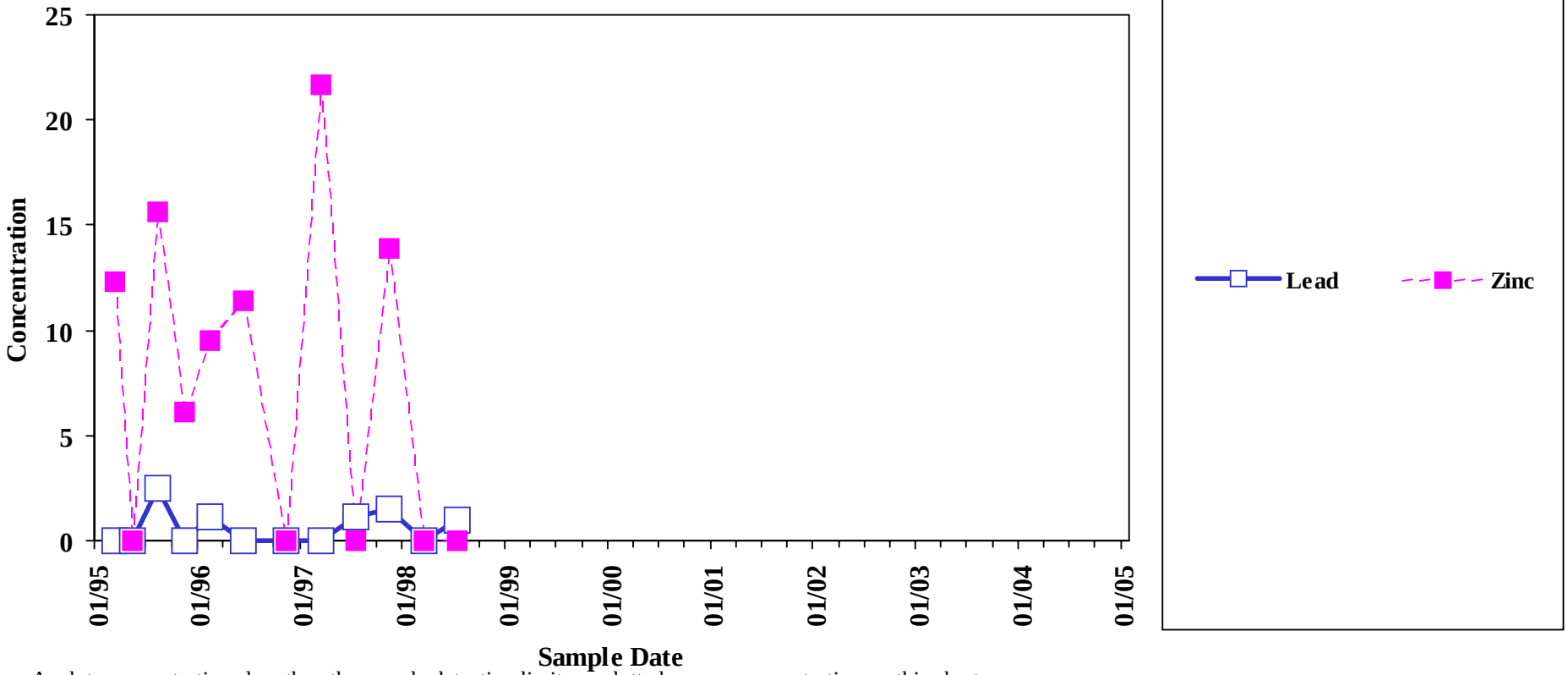
Sample Location:

SW-03

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

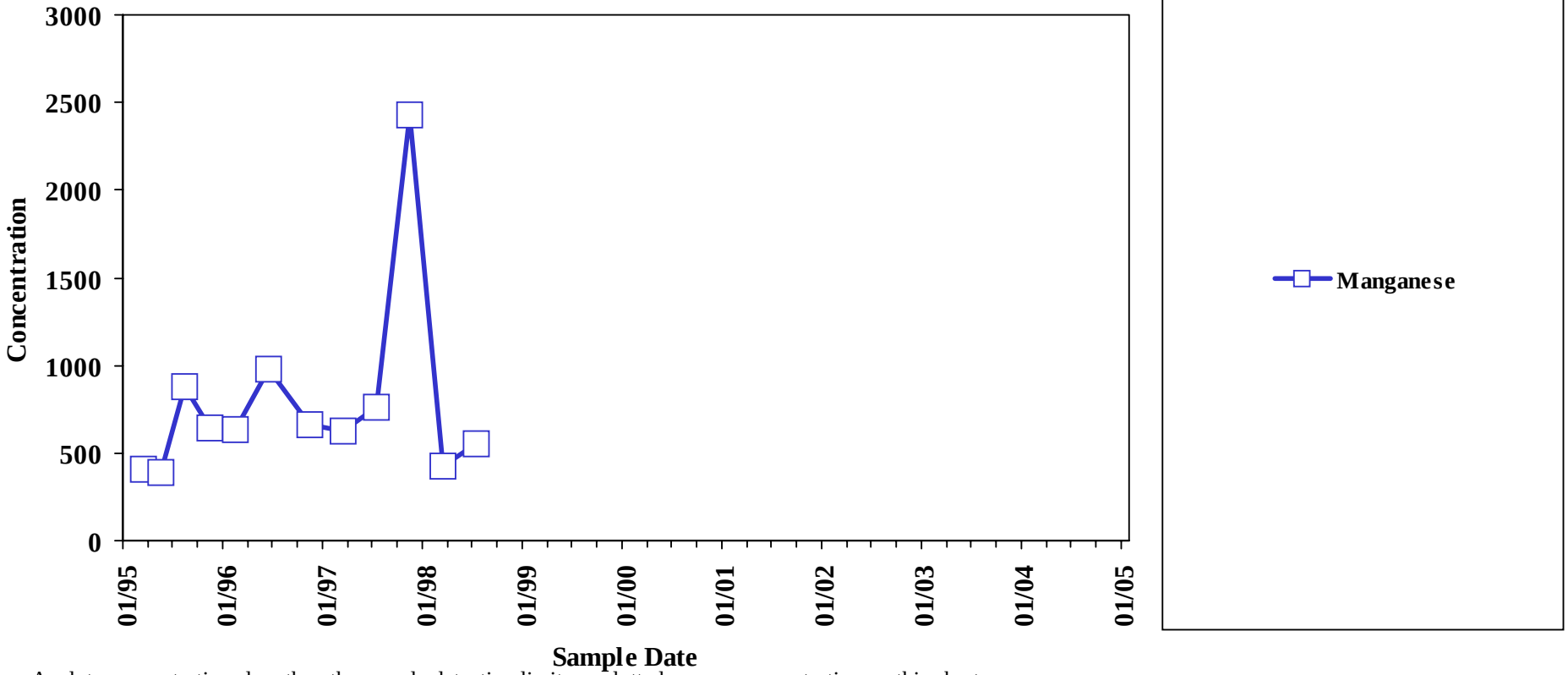
Sample Location:

SW-03

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

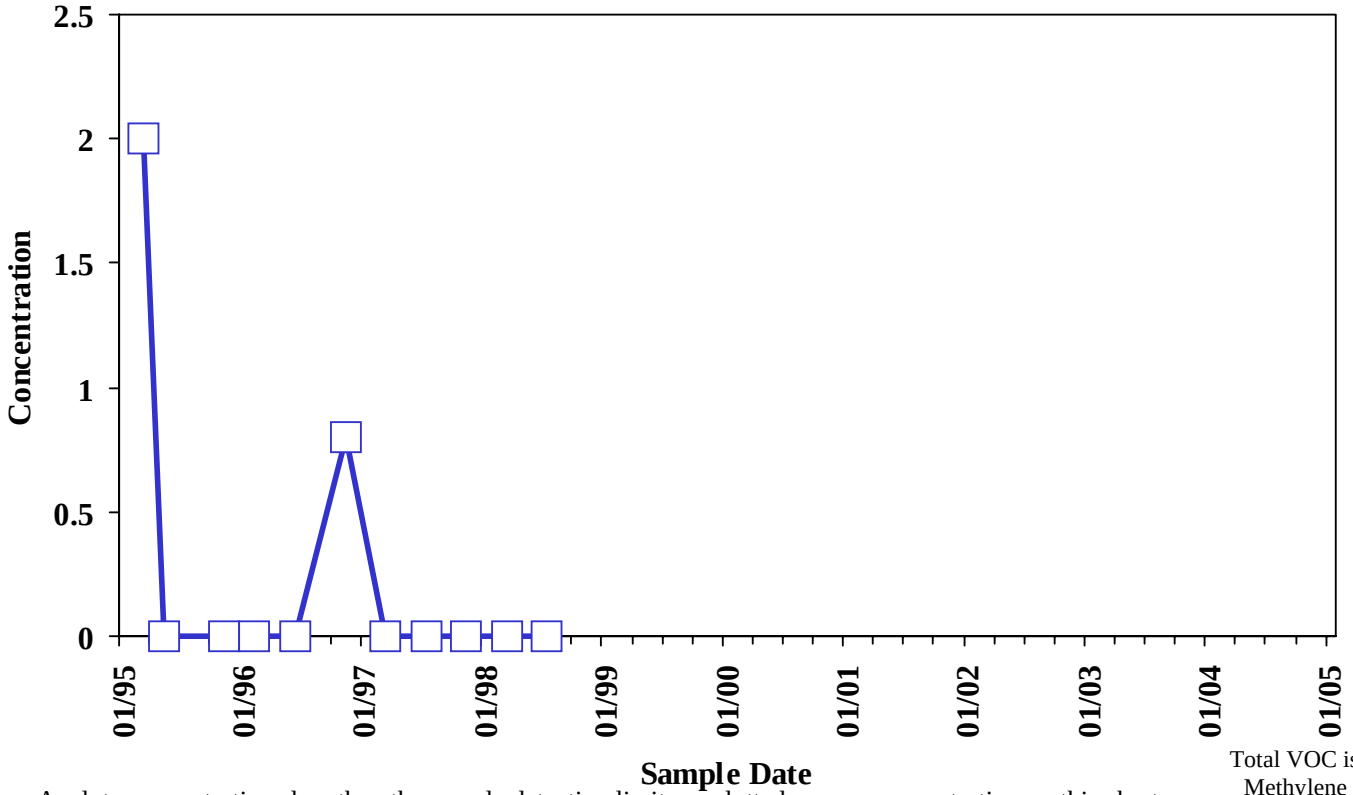
Sample Location:

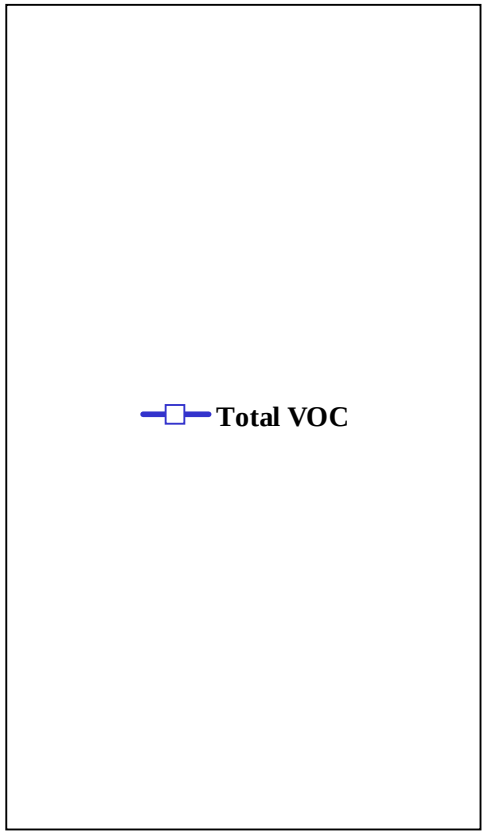
SW-03

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

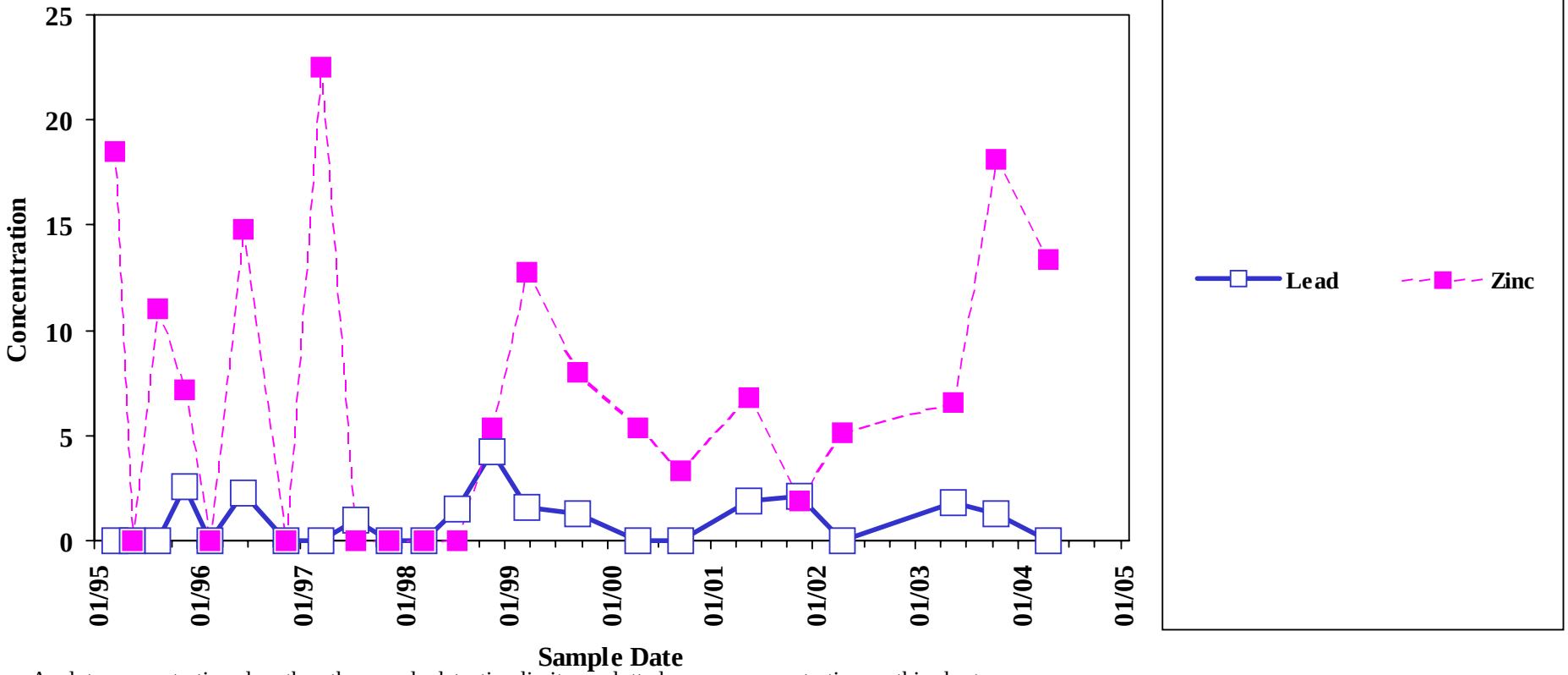
Sample Location:

SW-04

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

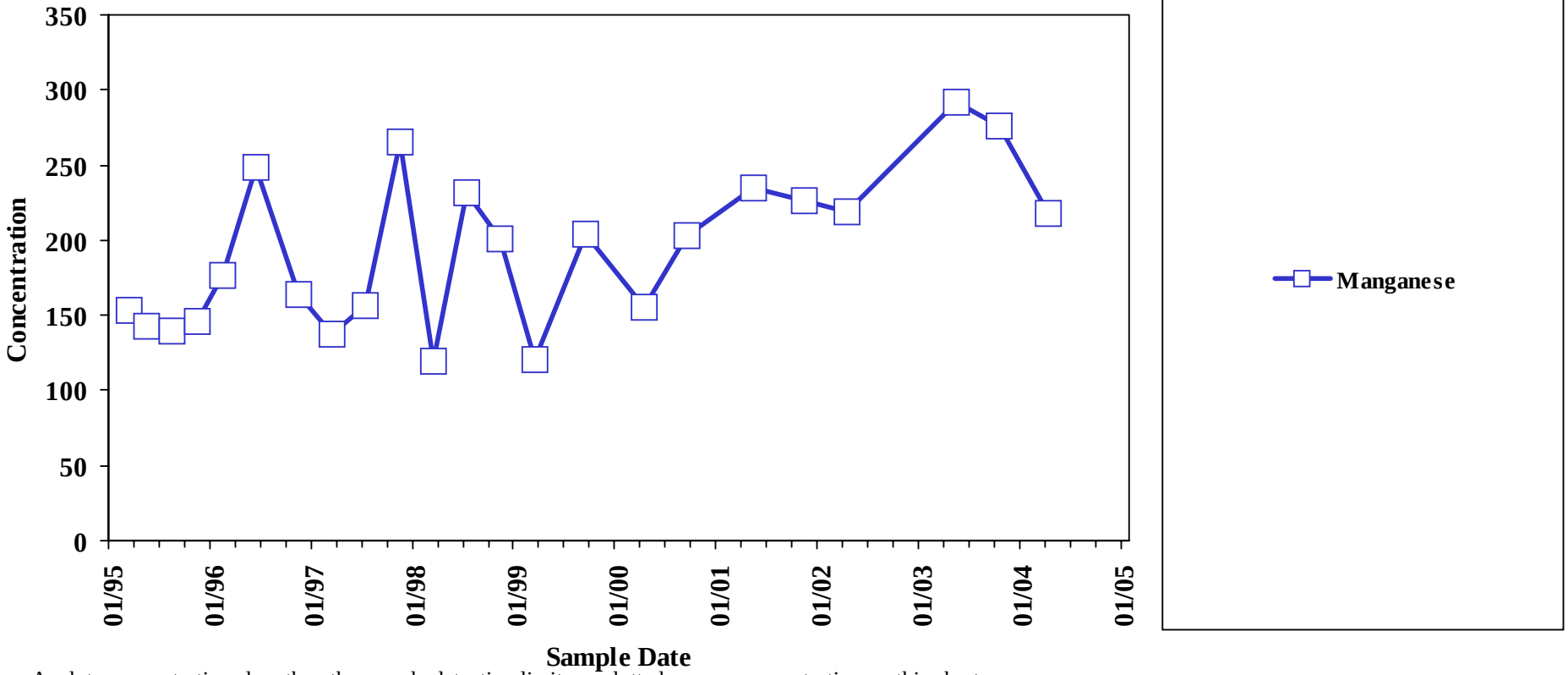
Sample Location:

SW-04

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

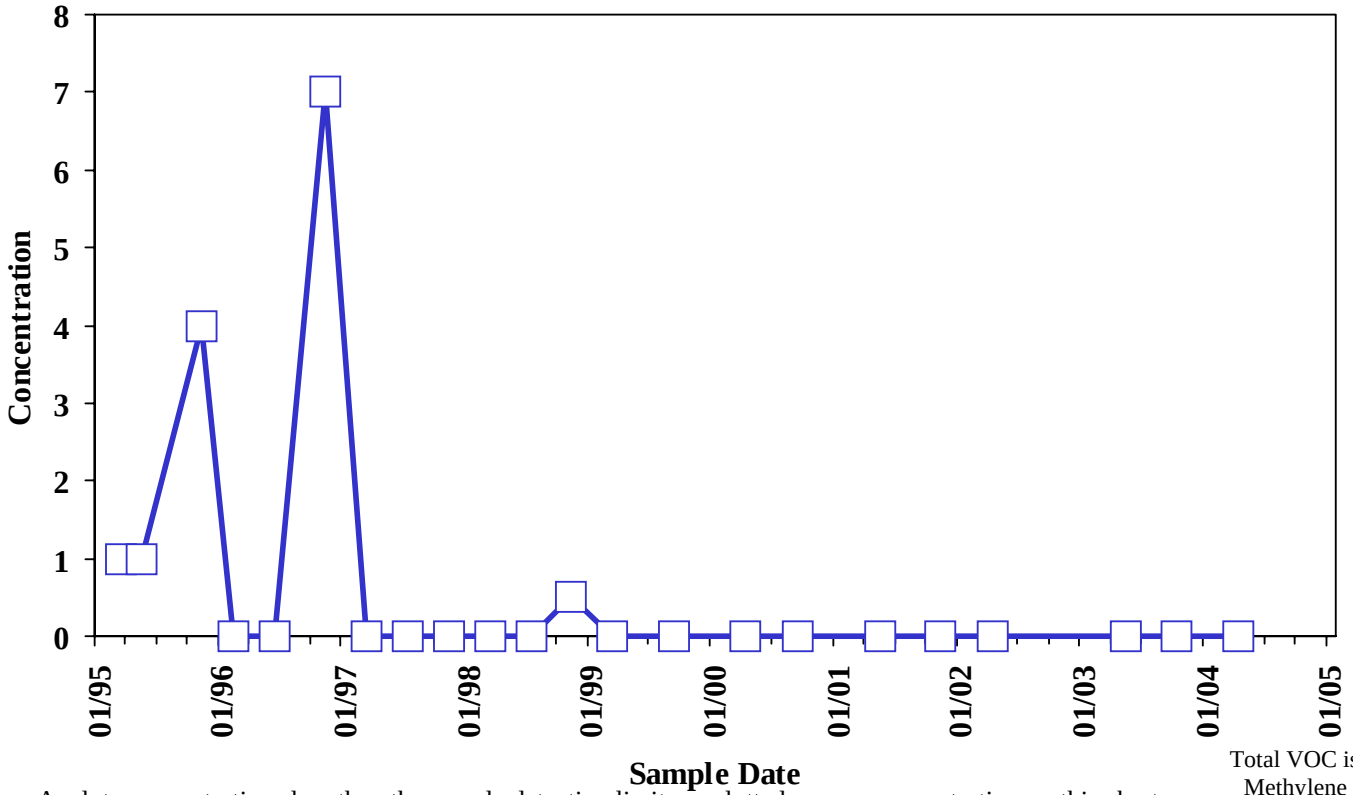
Sample Location:

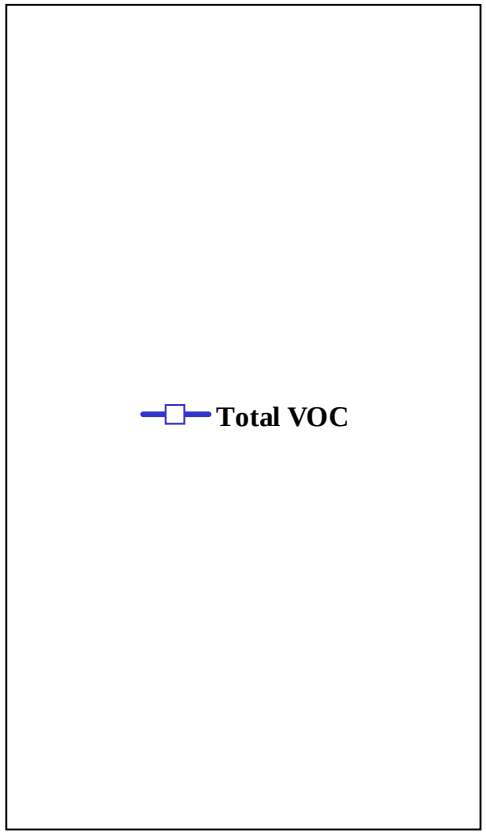
SW-04

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

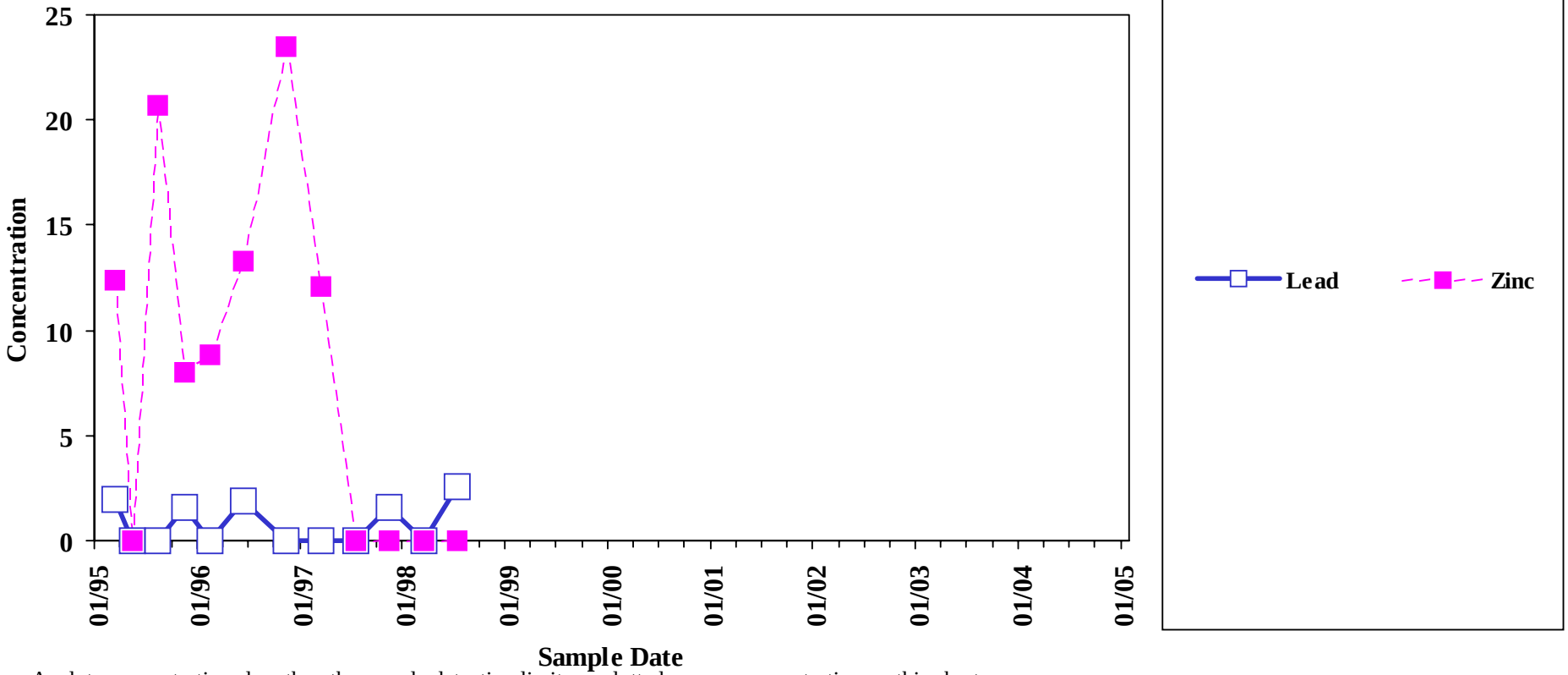
Sample Location:

SW-05

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

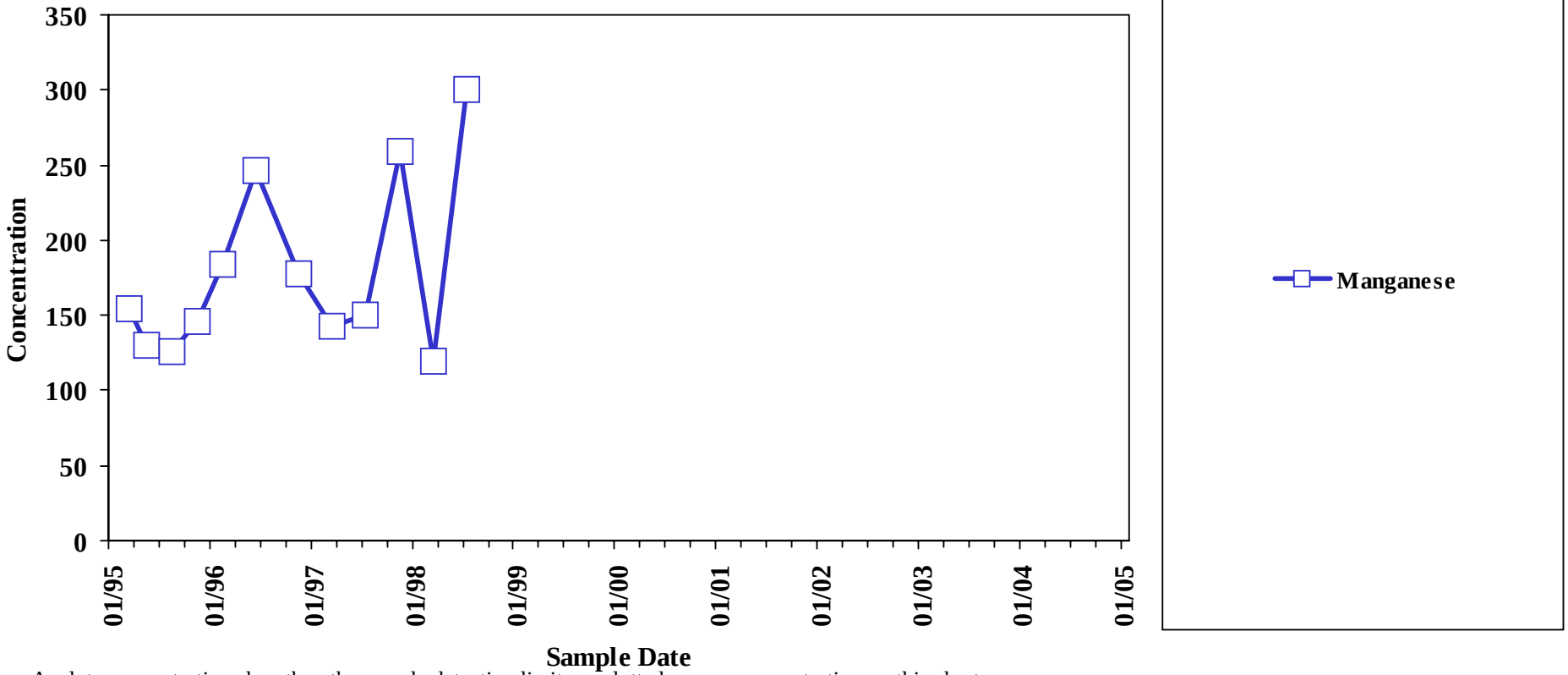
Sample Location:

SW-05

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

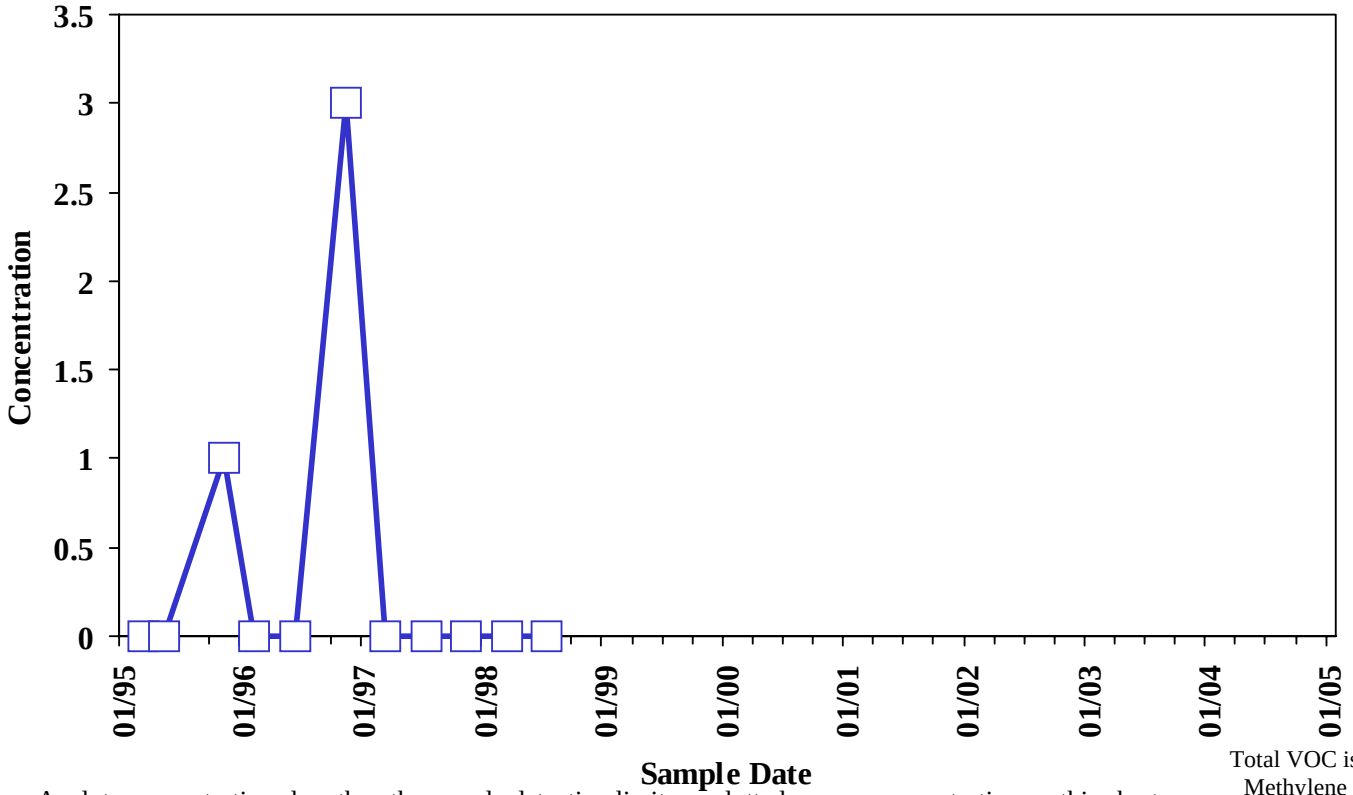
Sample Location:

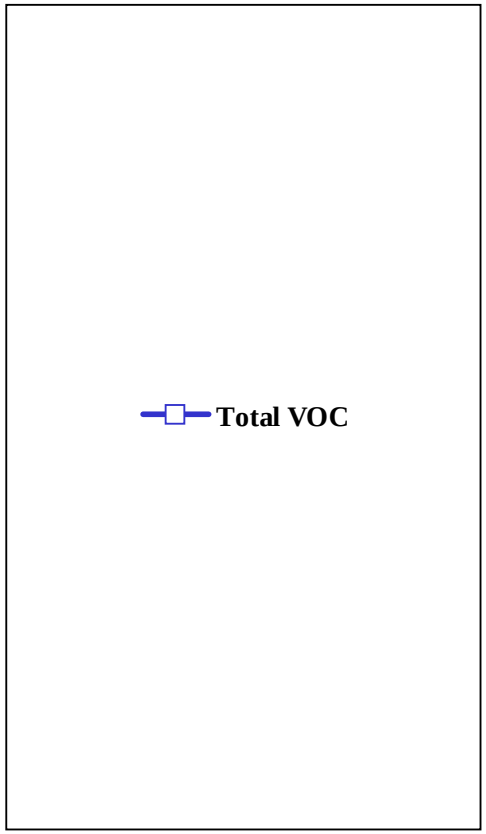
SW-05

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

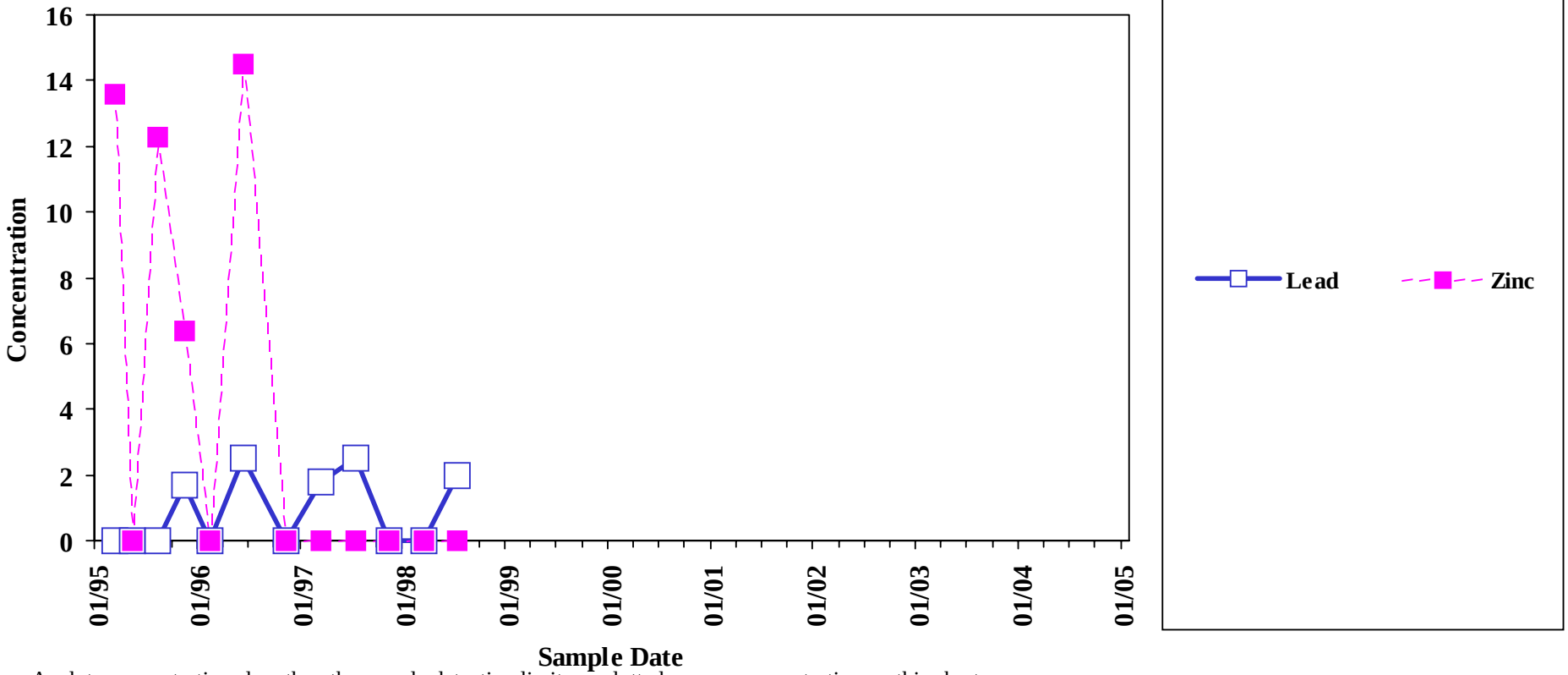
Sample Location:

SW-06

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

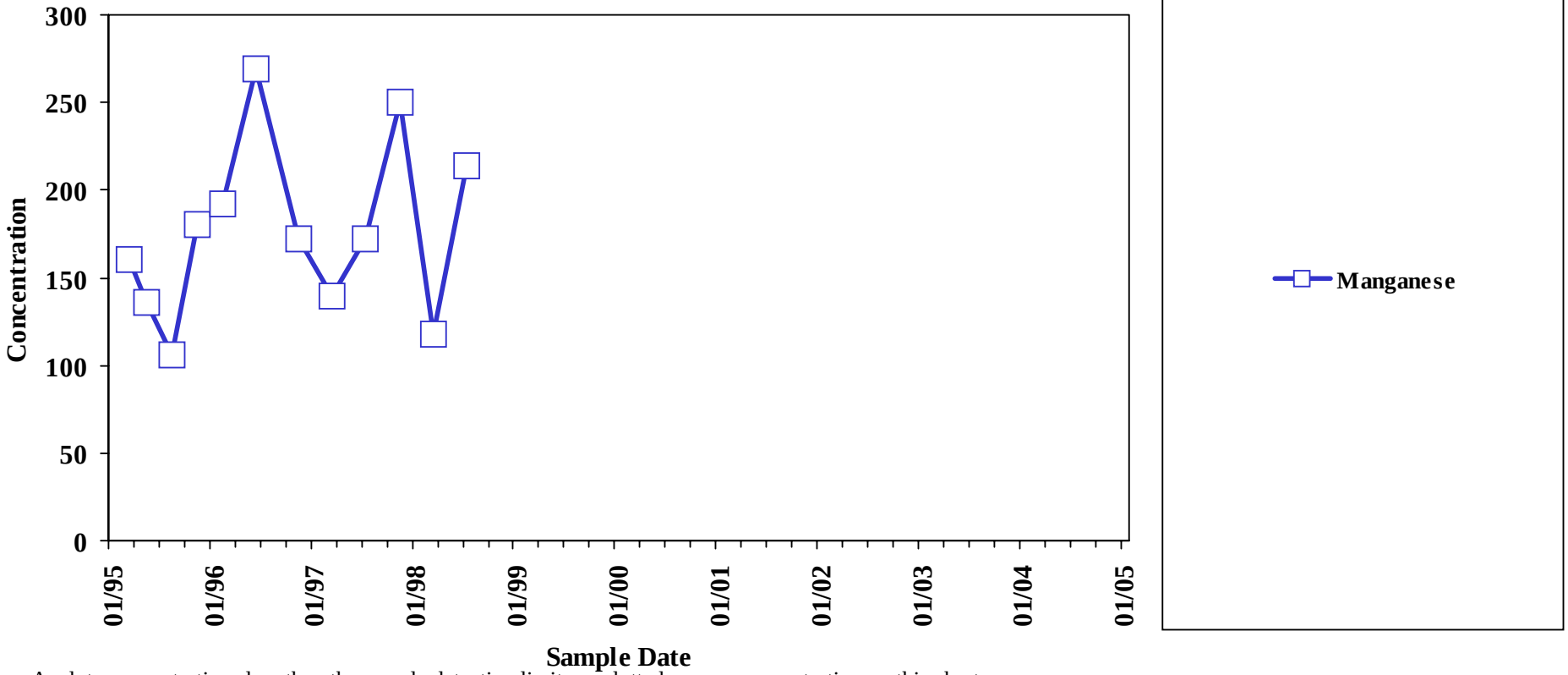
Sample Location:

SW-06

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

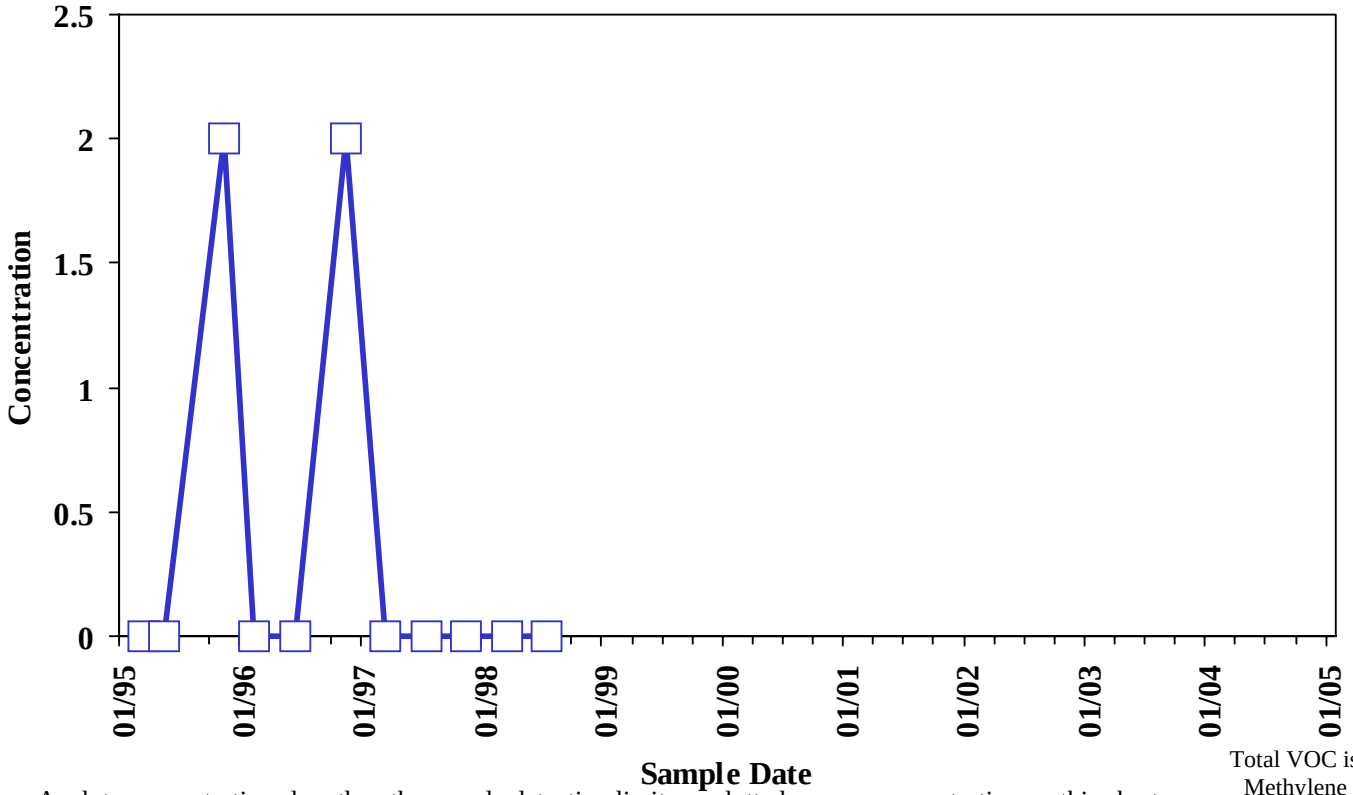
Sample Location:

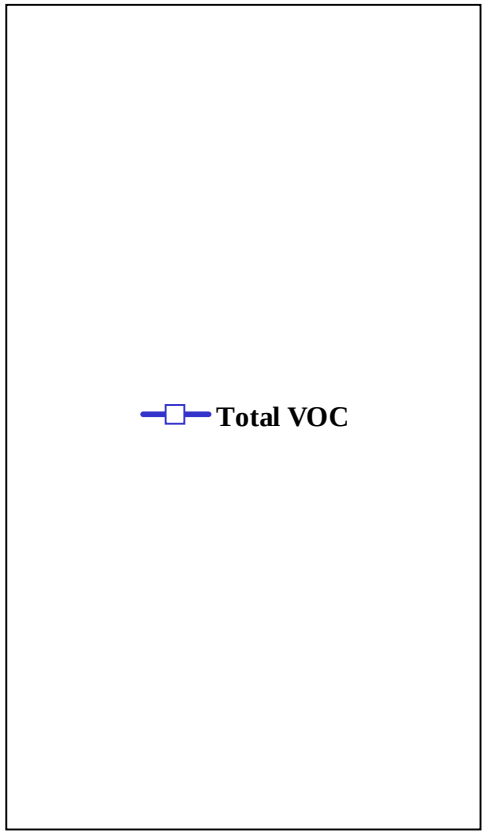
SW-06

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

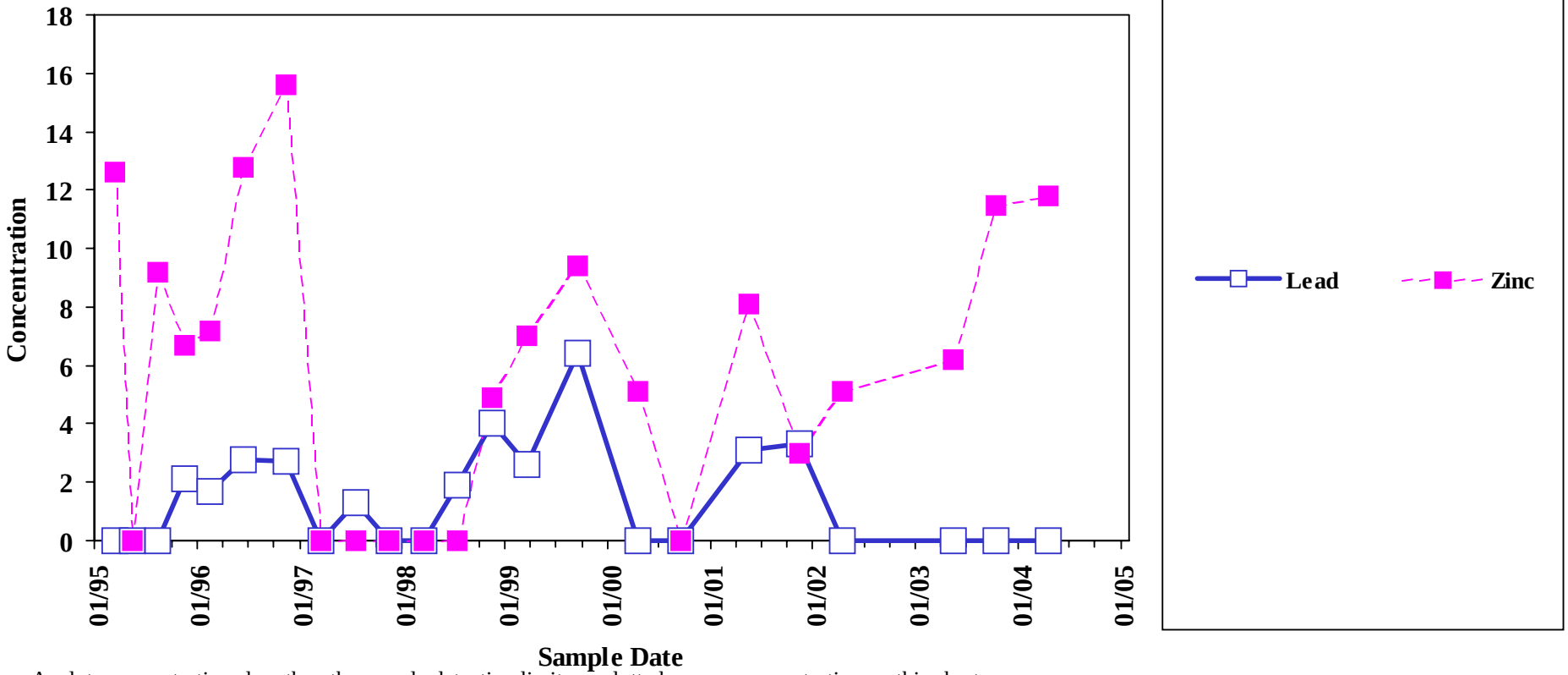
Sample Location:

SW-07

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

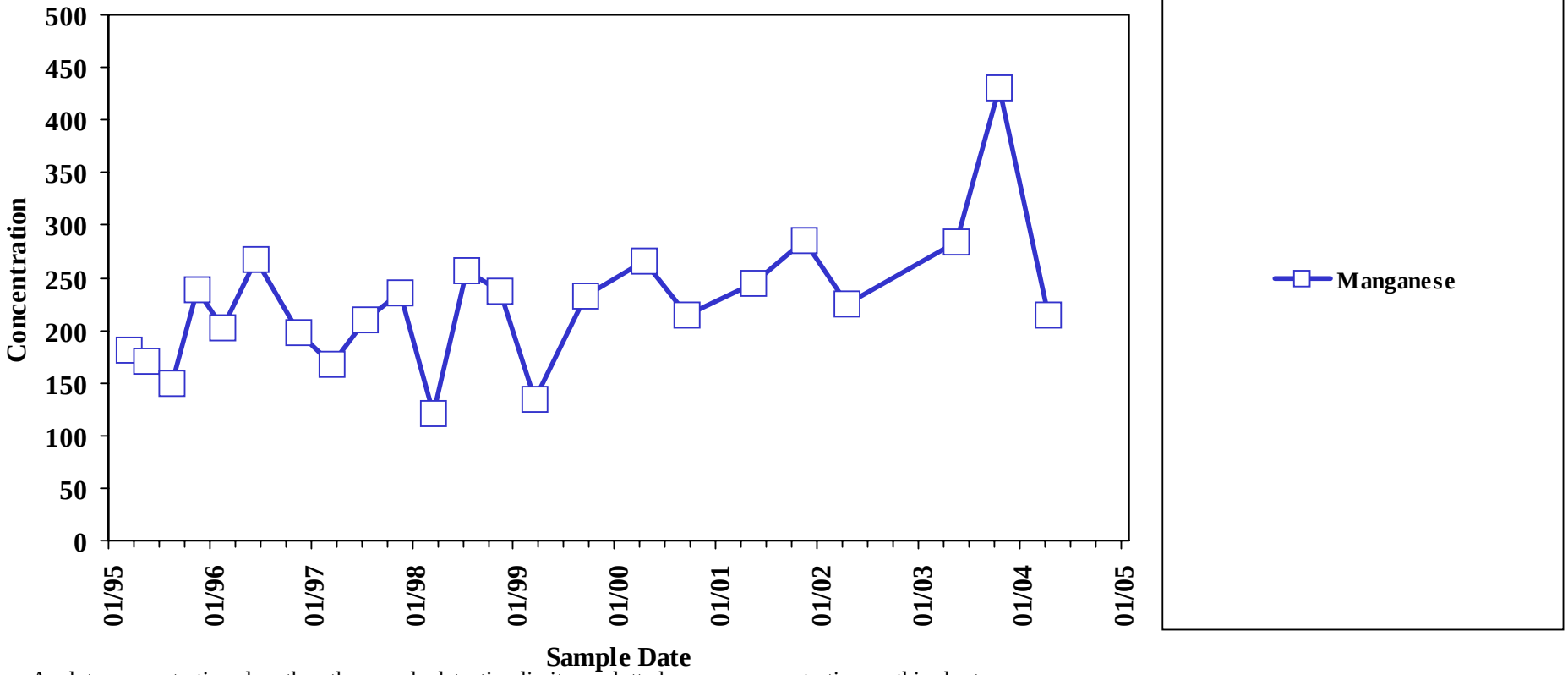
Sample Location:

SW-07

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

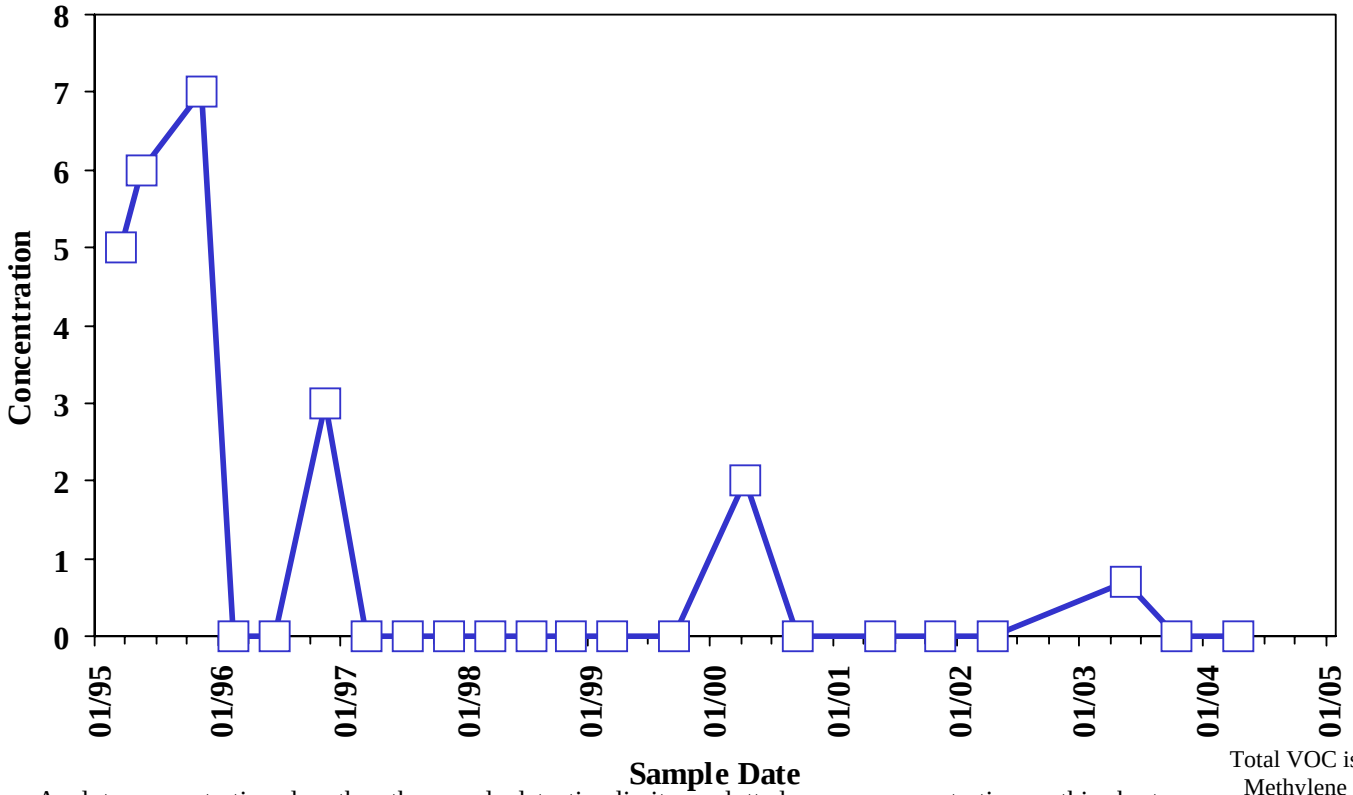
Sample Location:

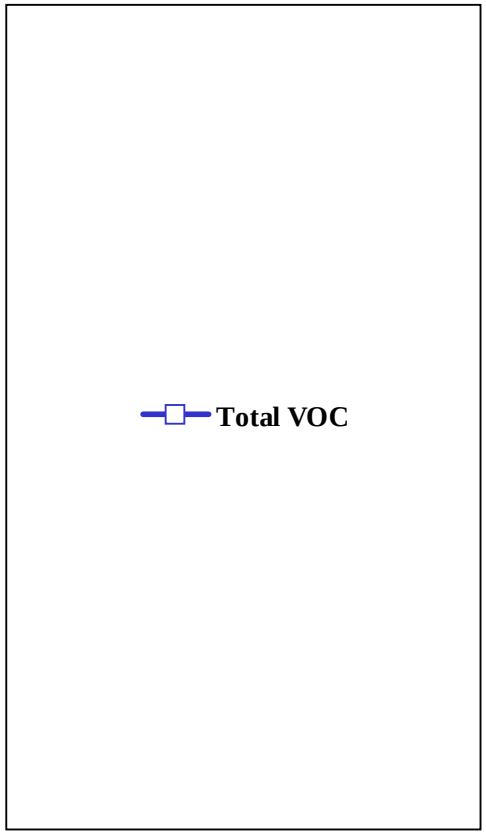
SW-07

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

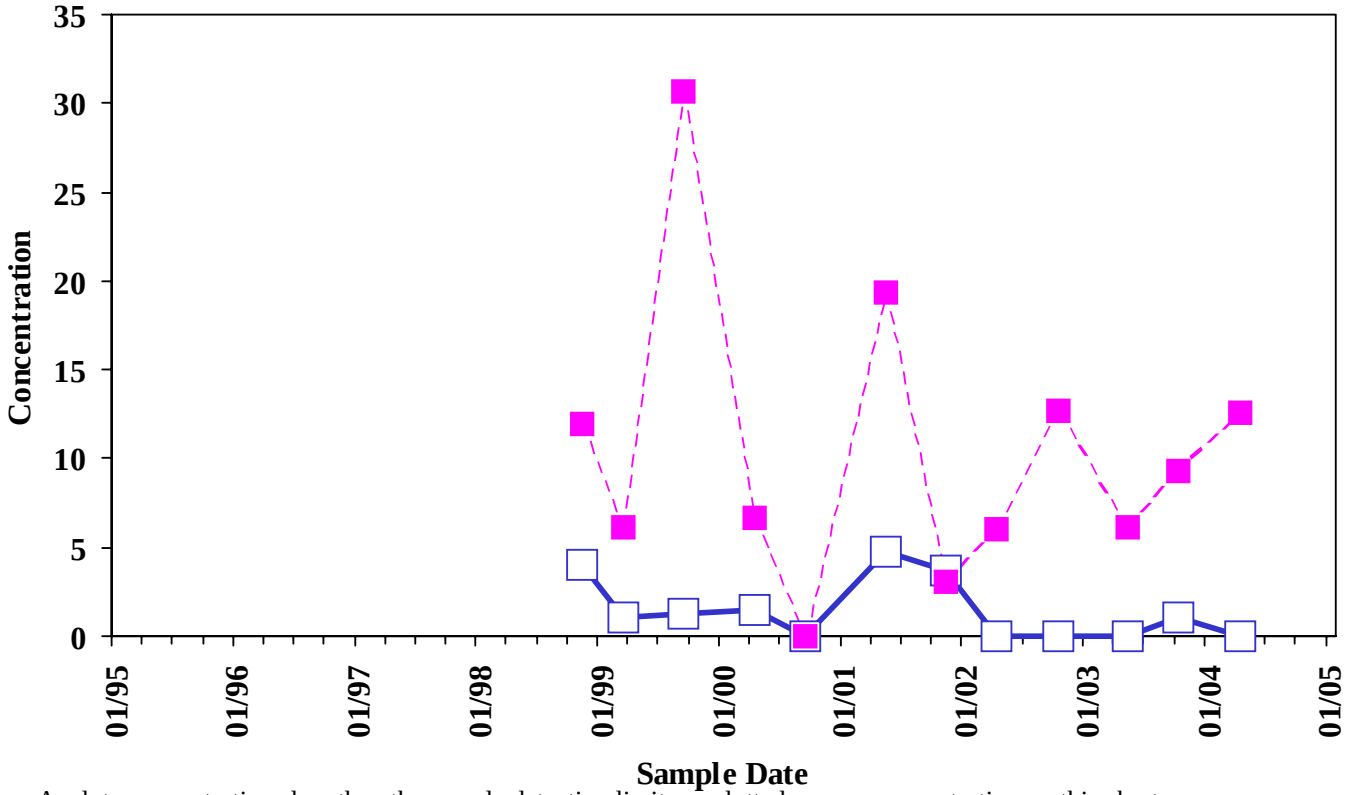
Sample Location:

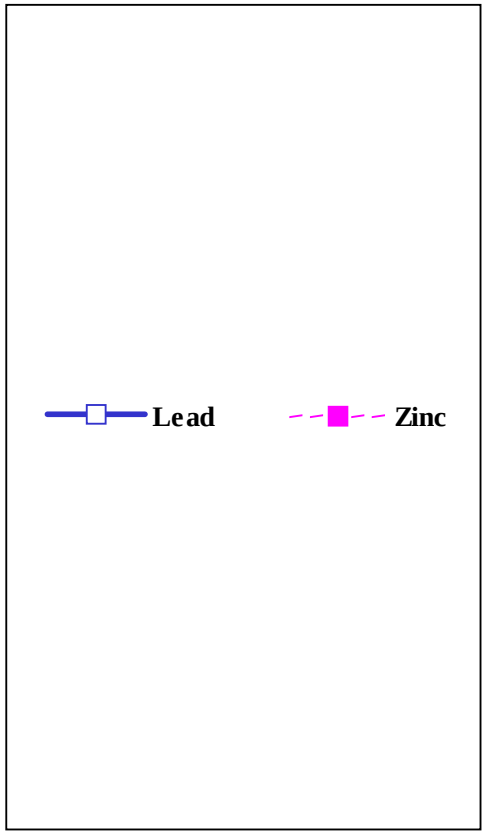
SW-08

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics





Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

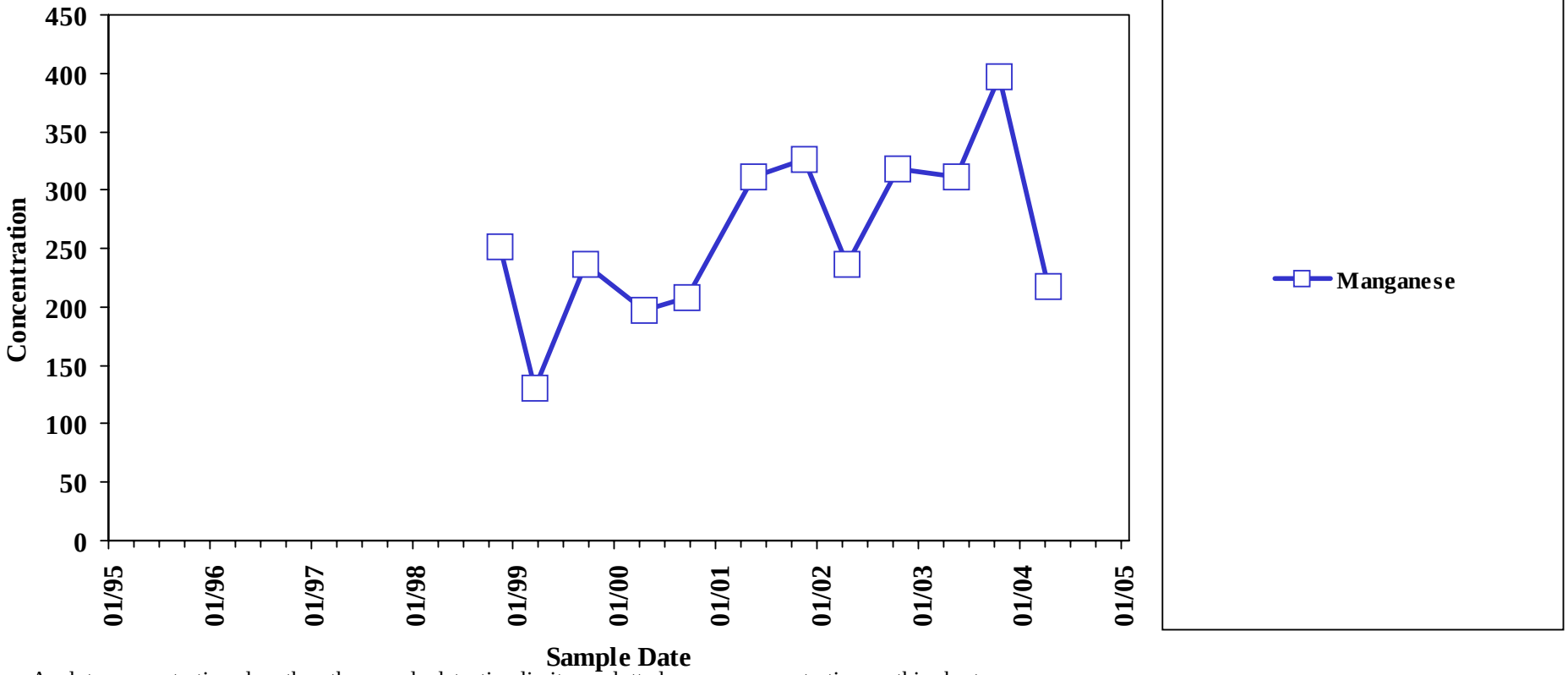
Sample Location:

SW-08

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

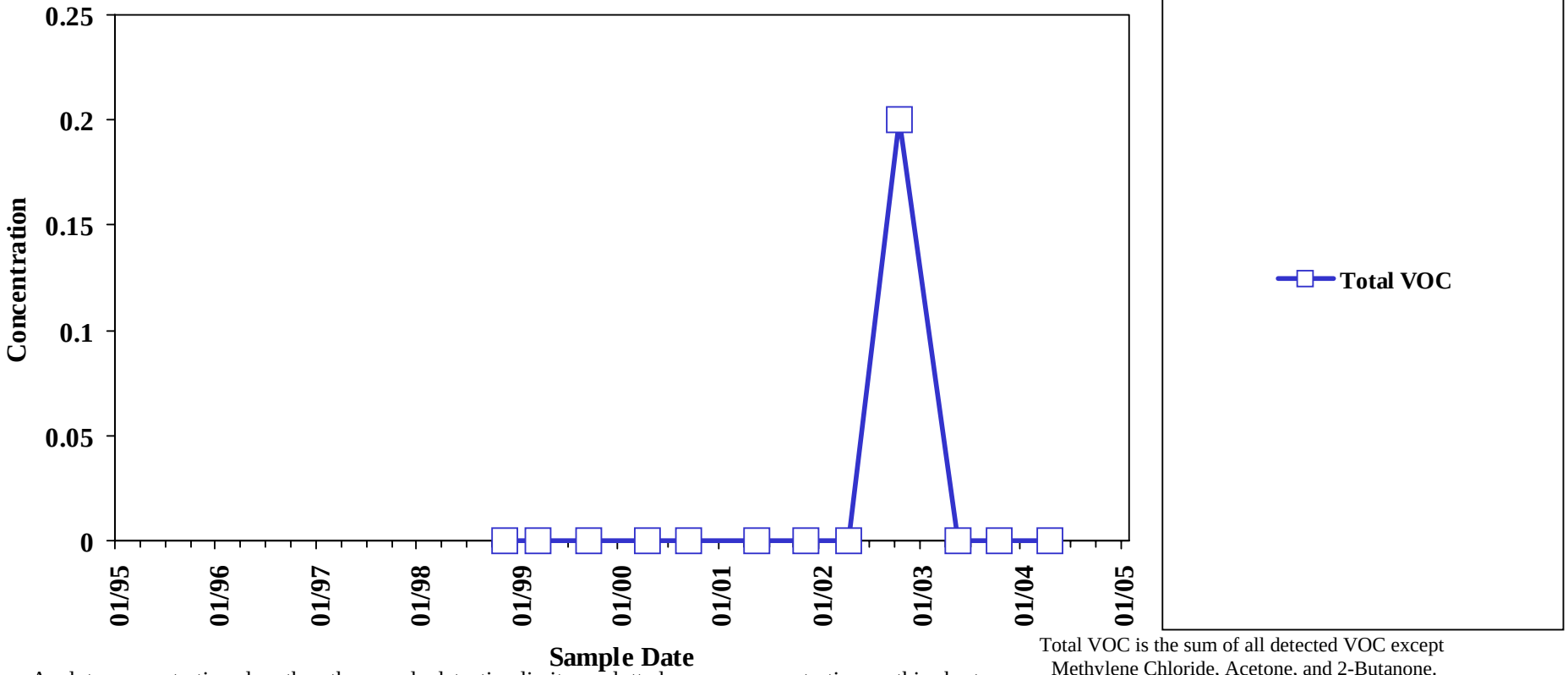
Sample Location:

SW-08

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

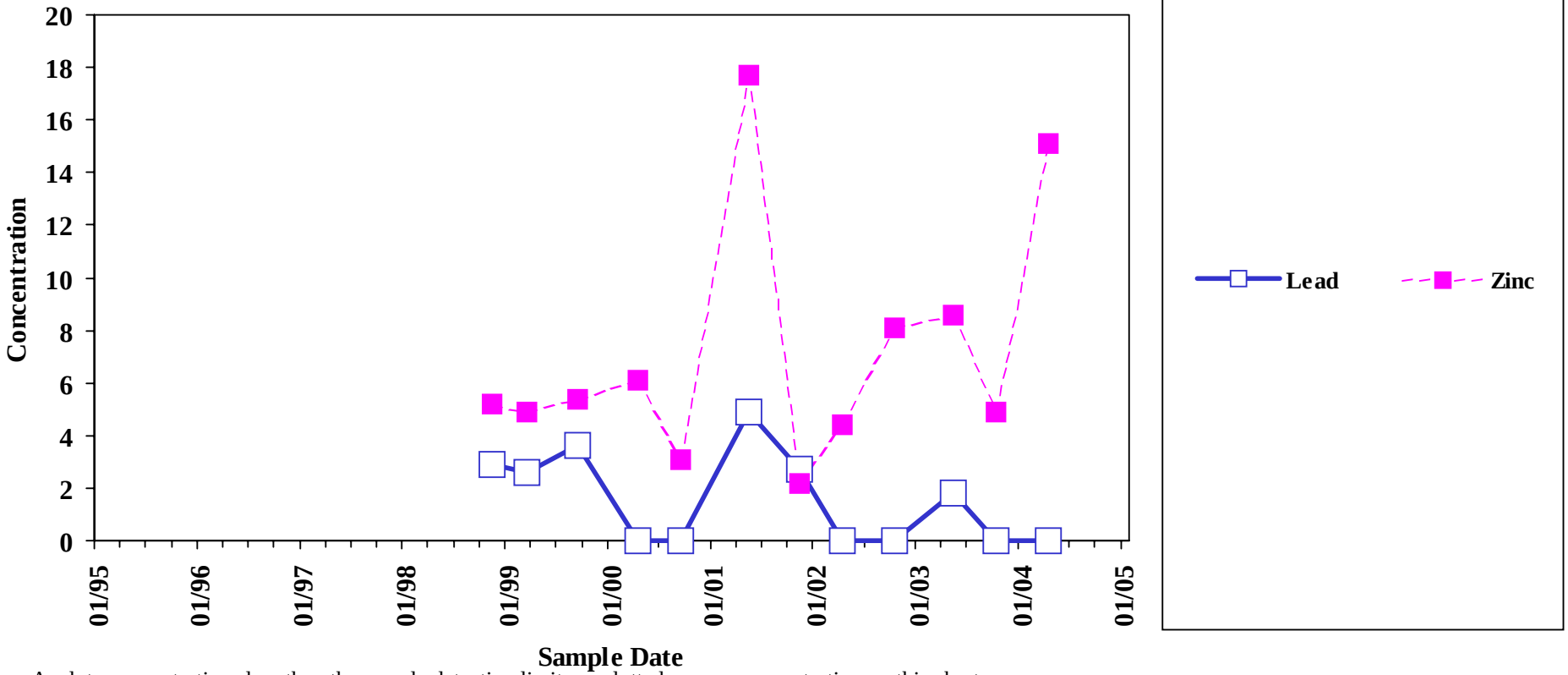
Sample Location:

SW-09

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

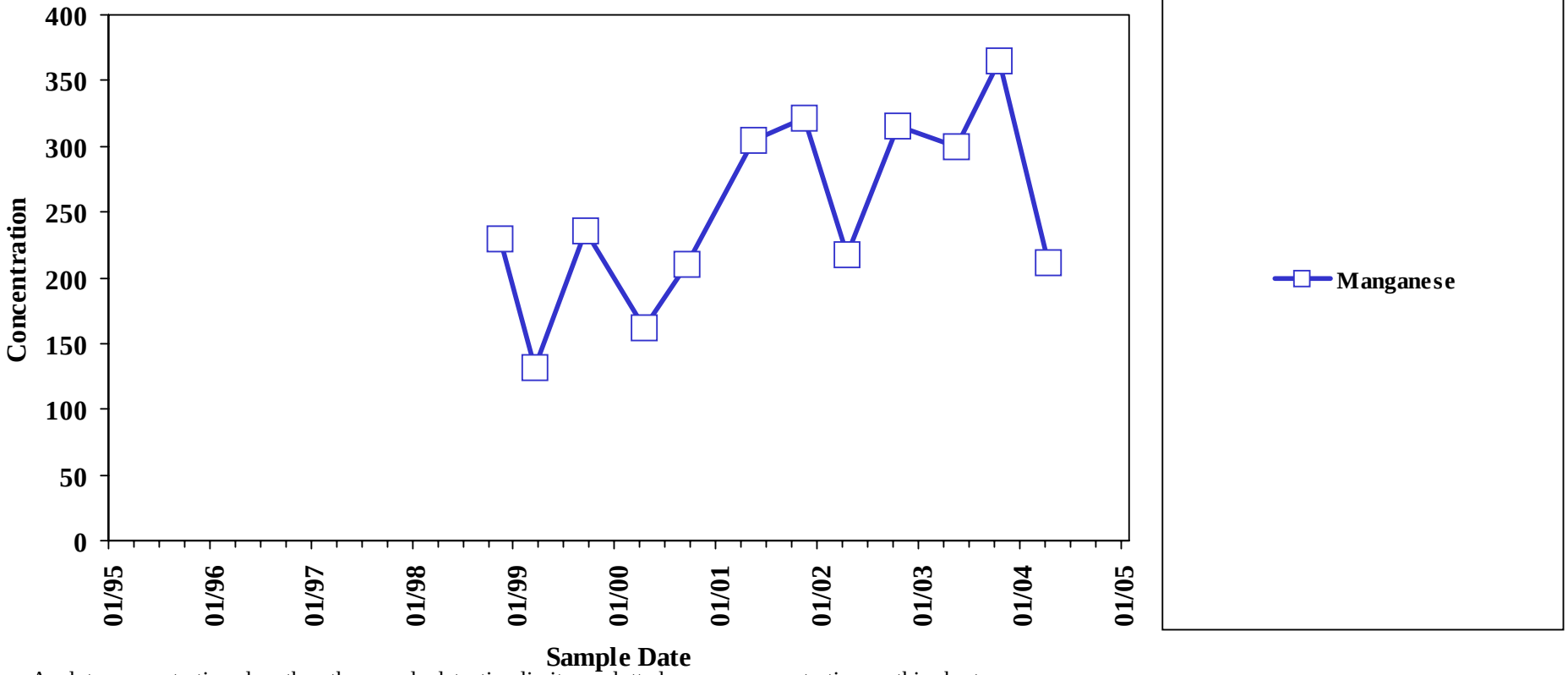
Sample Location:

SW-09

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

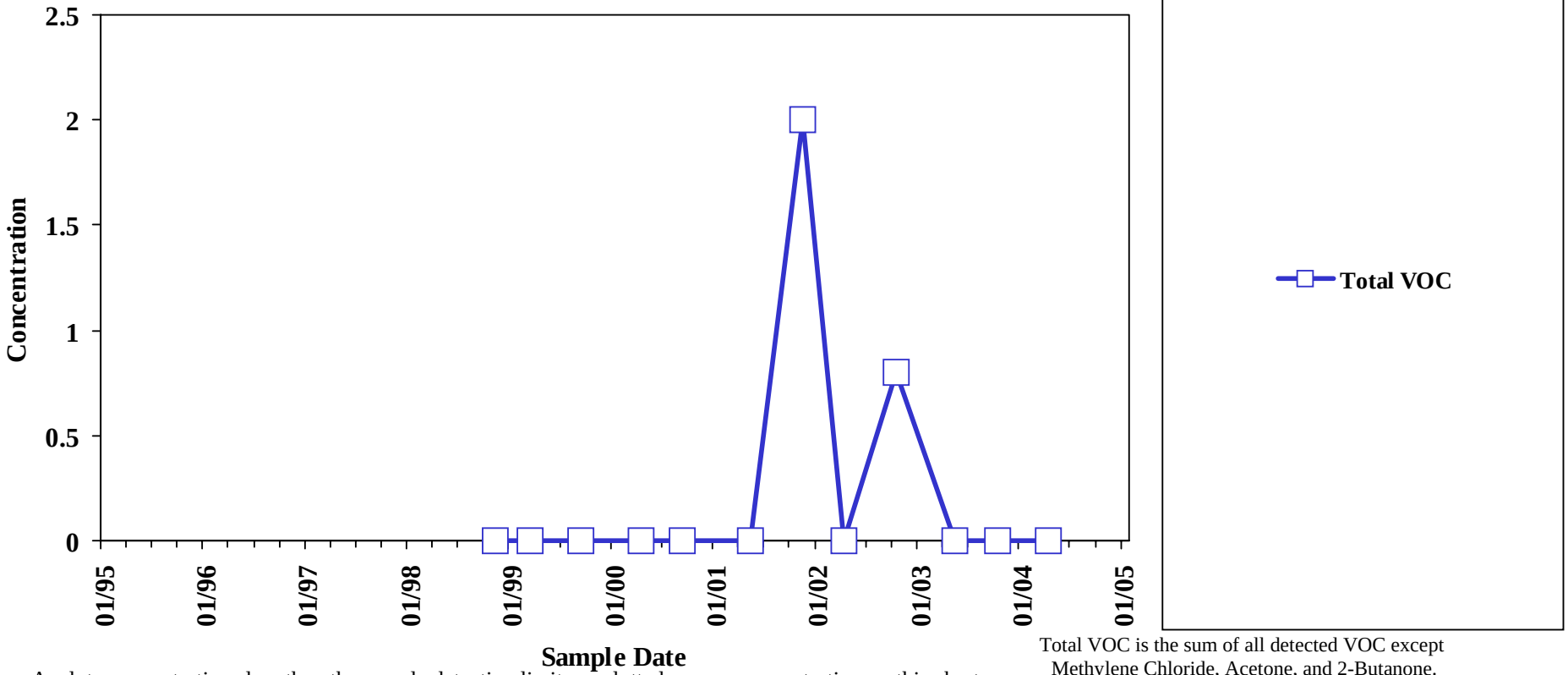
Sample Location:

SW-09

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

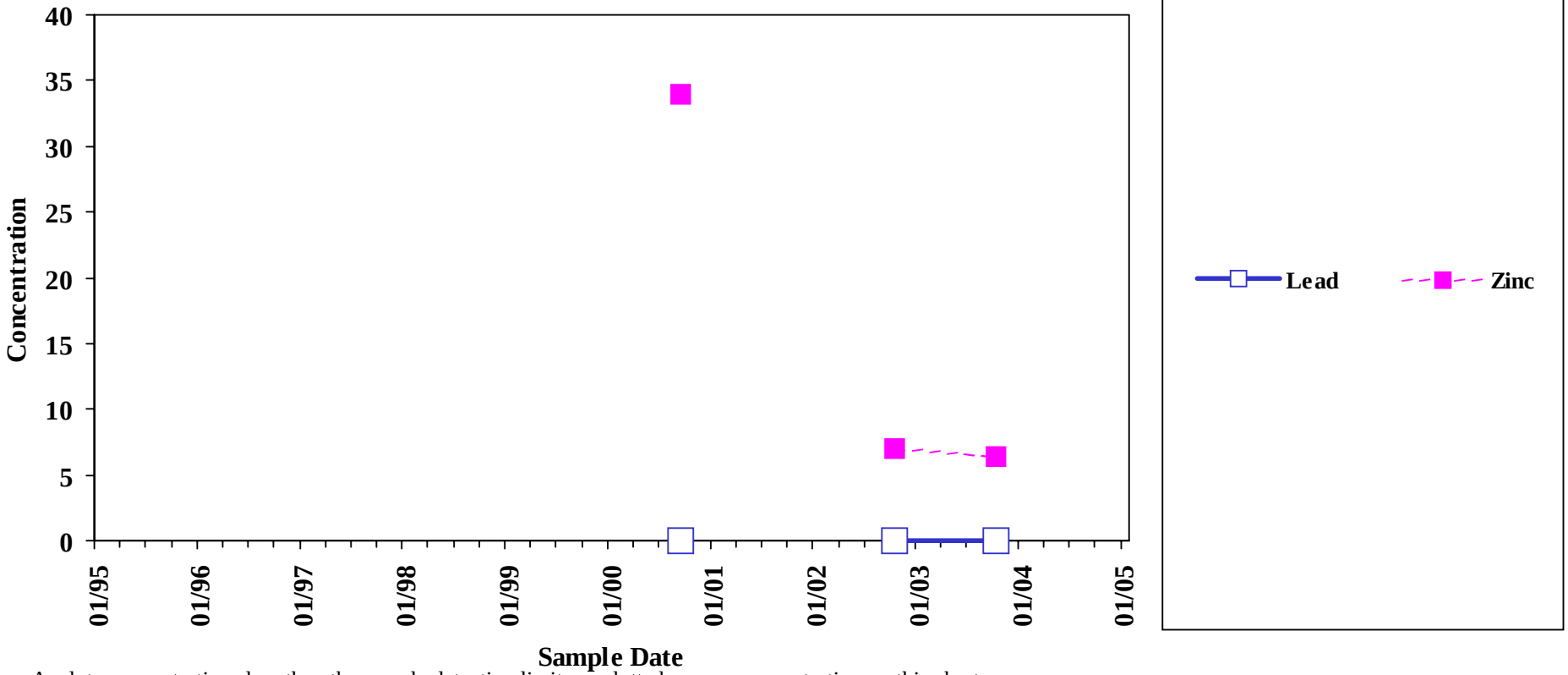
Sample Location:

SW-15

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

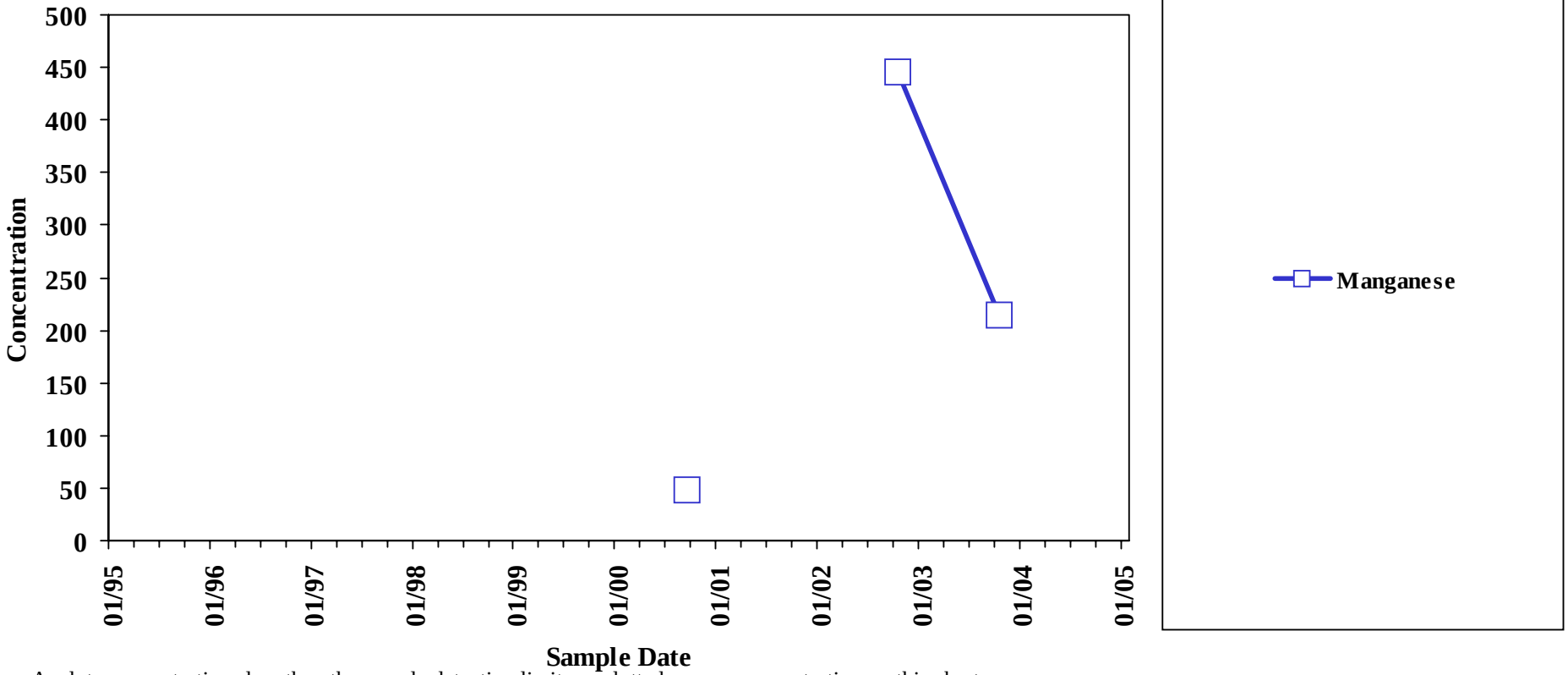
Sample Location:

SW-15

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

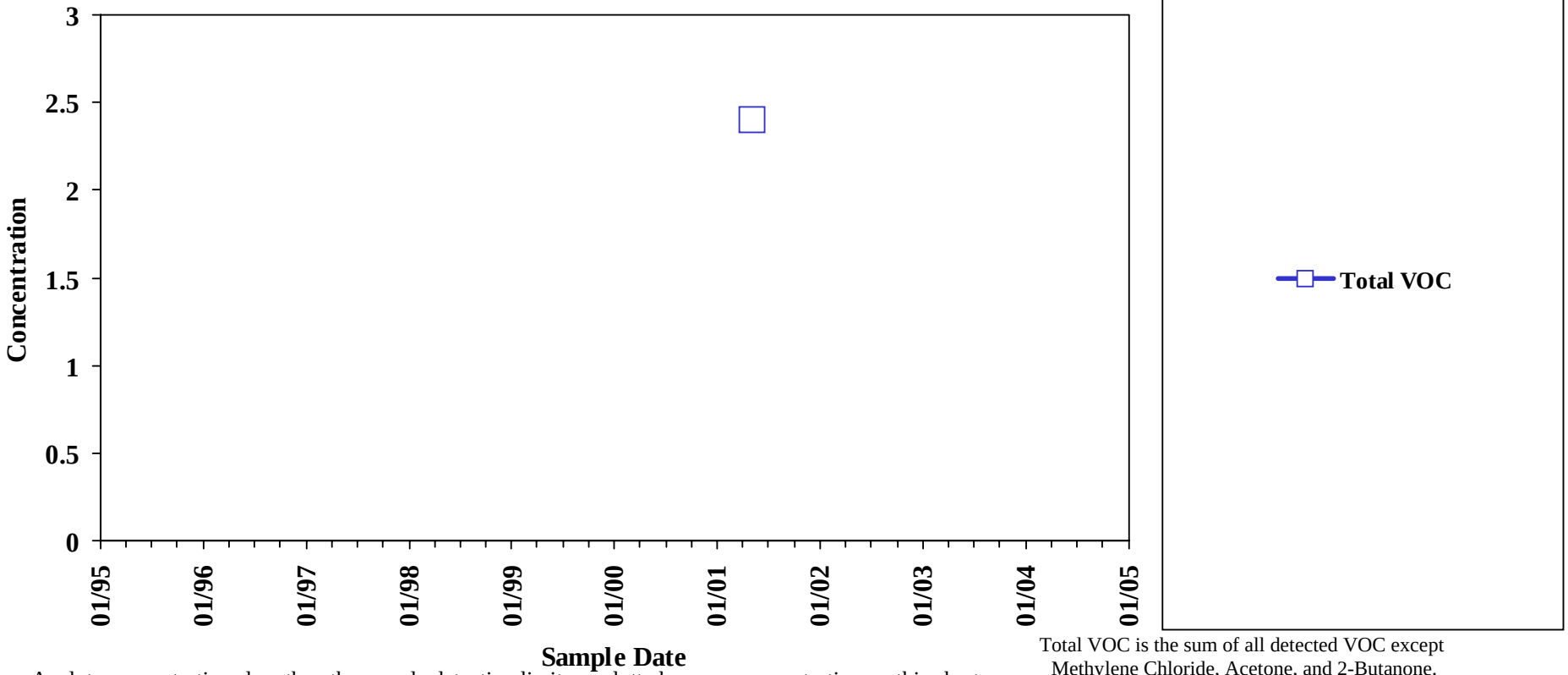
Sample Location:

SW-15

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

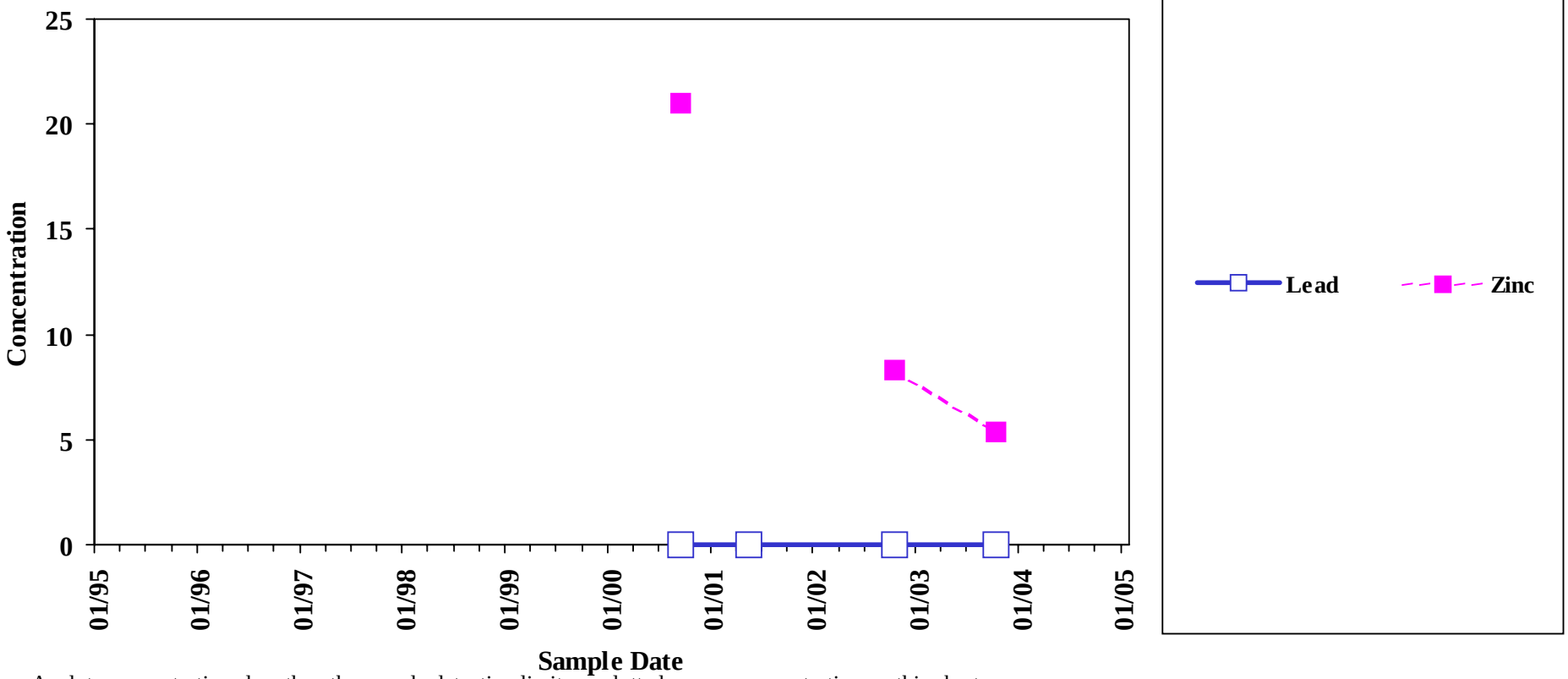
Sample Location:

SW-16

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

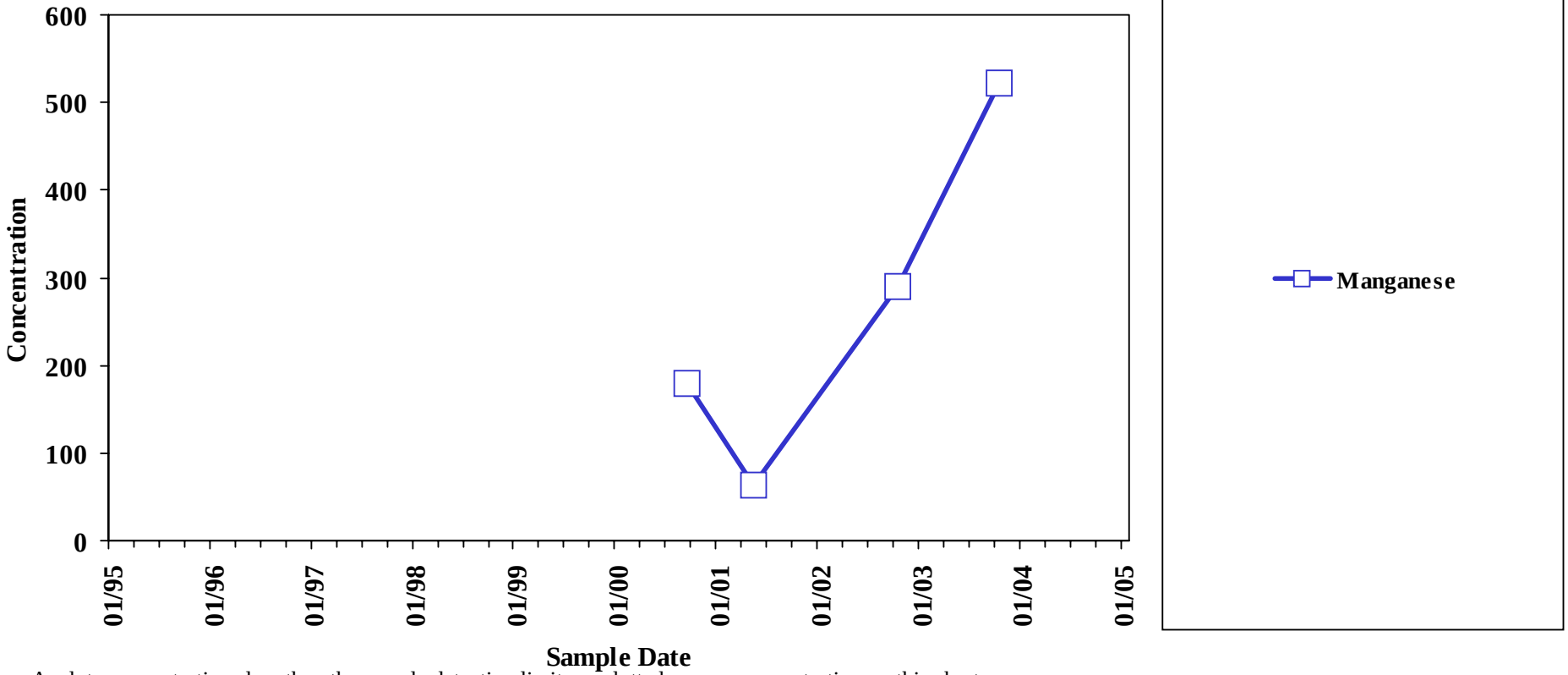
Sample Location:

SW-16

Sites 1 & 3

Surface water

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

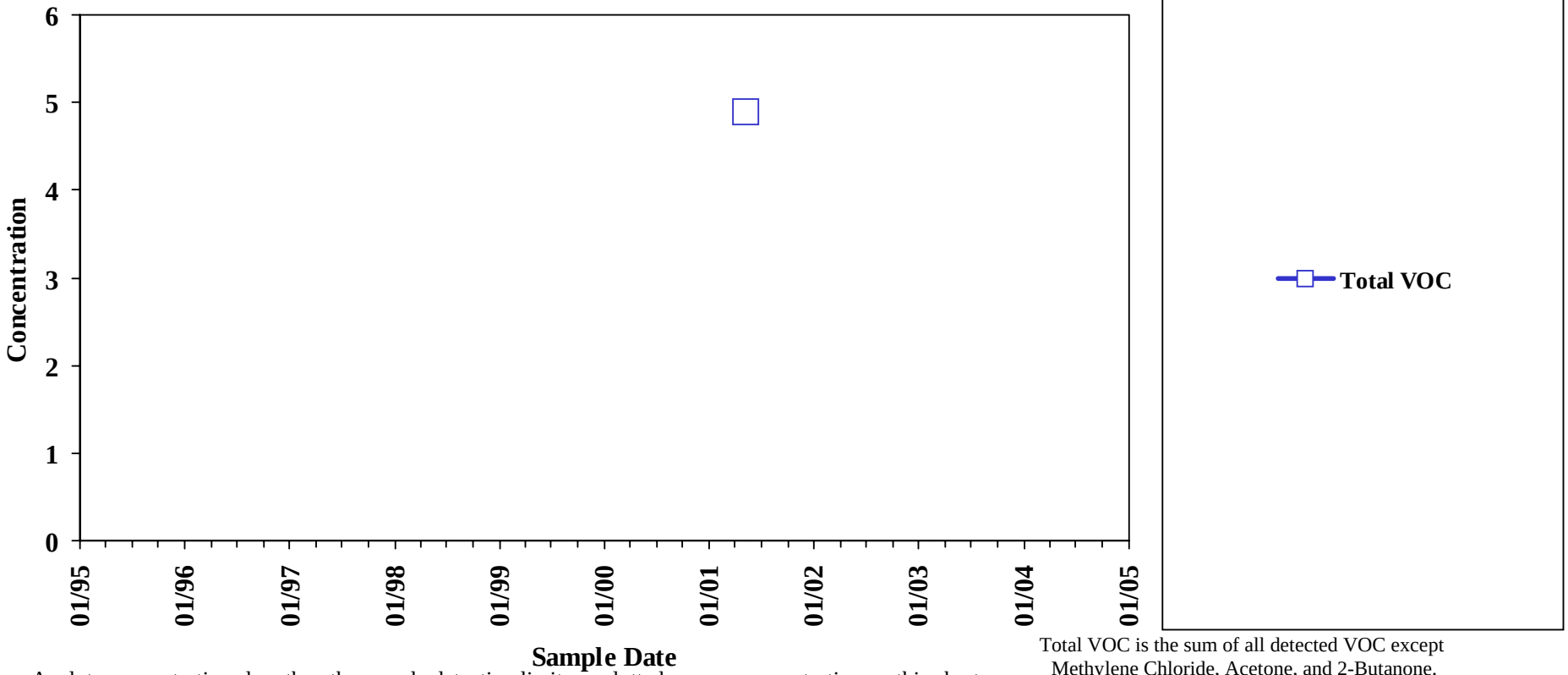
Sample Location:

SW-16

Sites 1 & 3

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

Appendix C.2

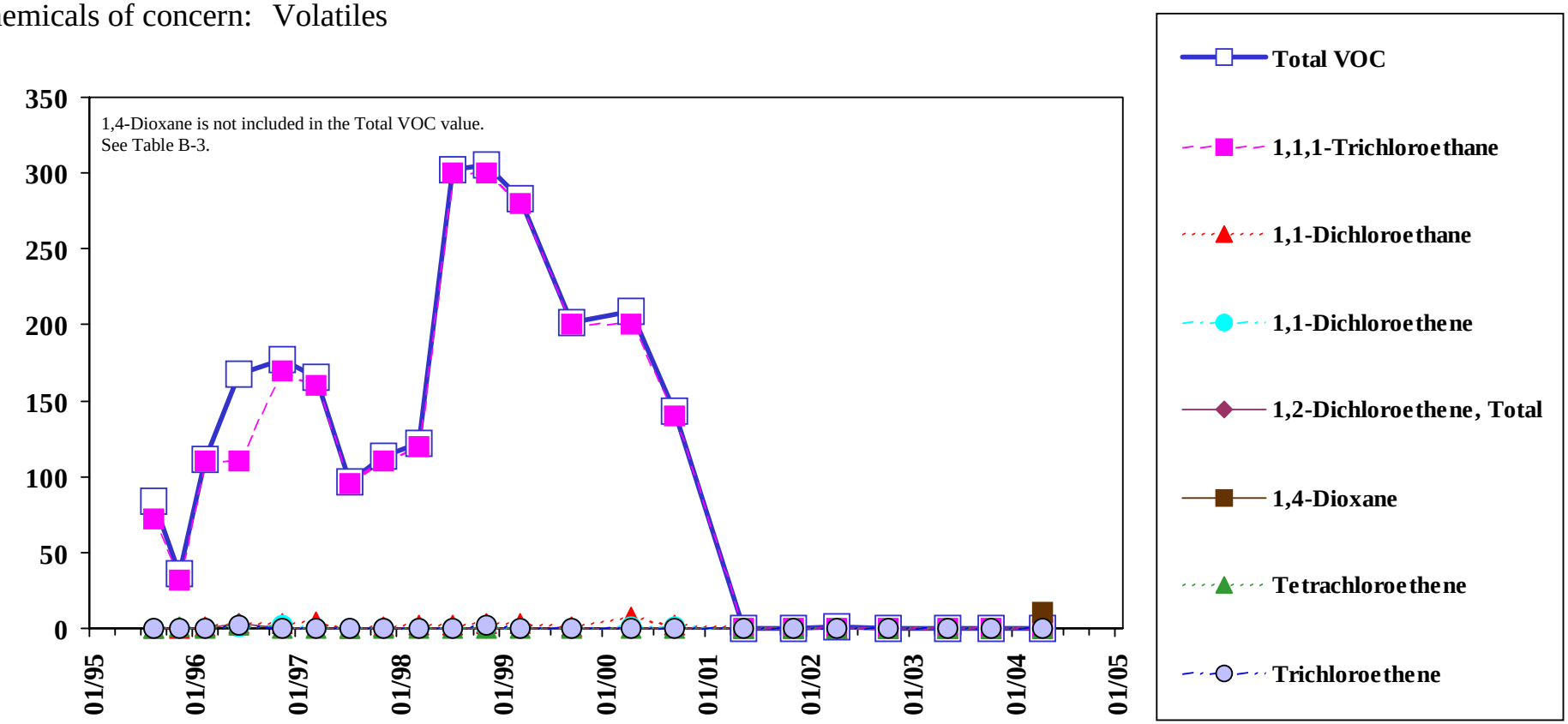
Volatile Organic Compound Groundwater Concentrations above State Maximum Exposure Guidelines/ Federal Maximum Contaminant Levels Eastern Plume

Sample Location:

Eastern Plume Combined Effluent

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

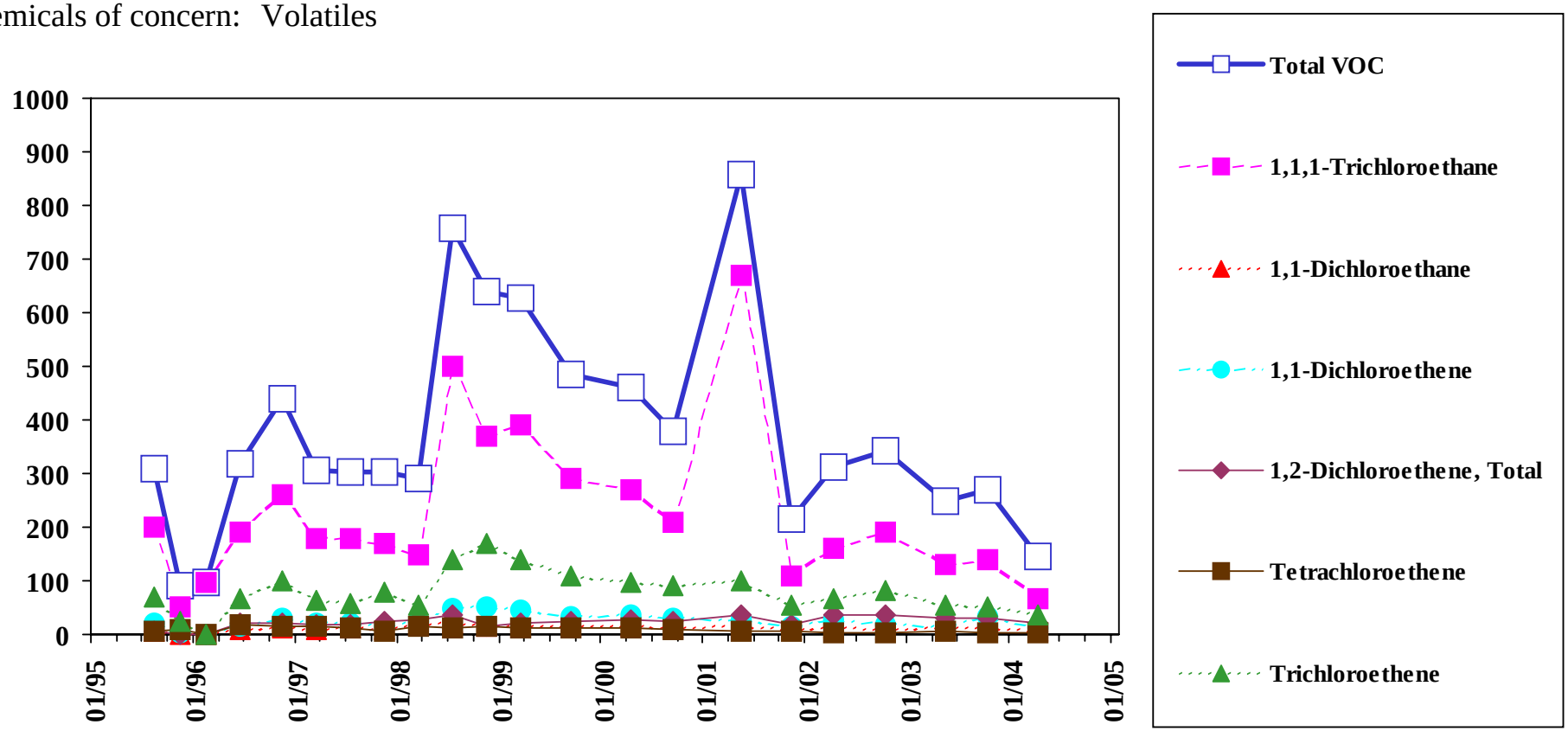
1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

Sample Location:

Eastern Plume Raw Influent

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

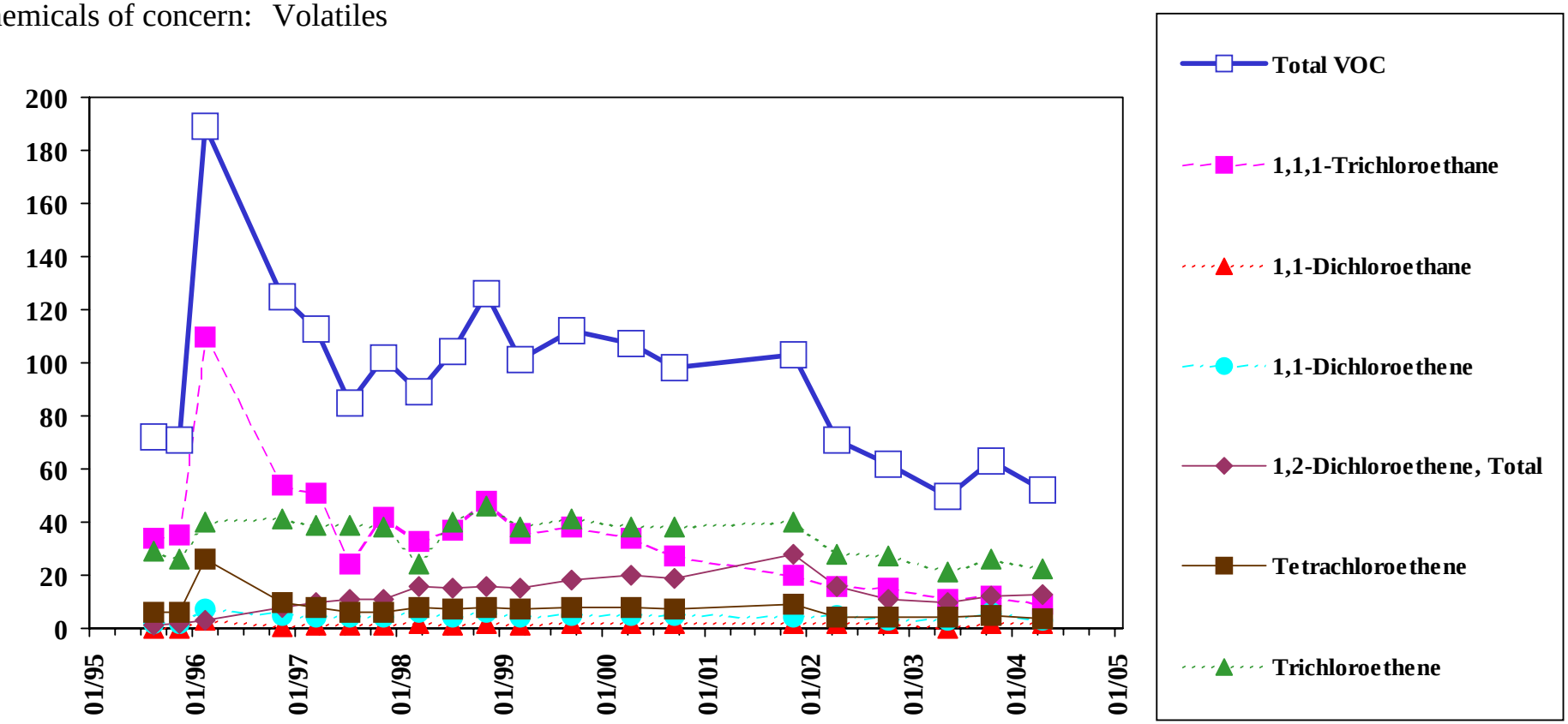
Sample Location:

EW-01

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

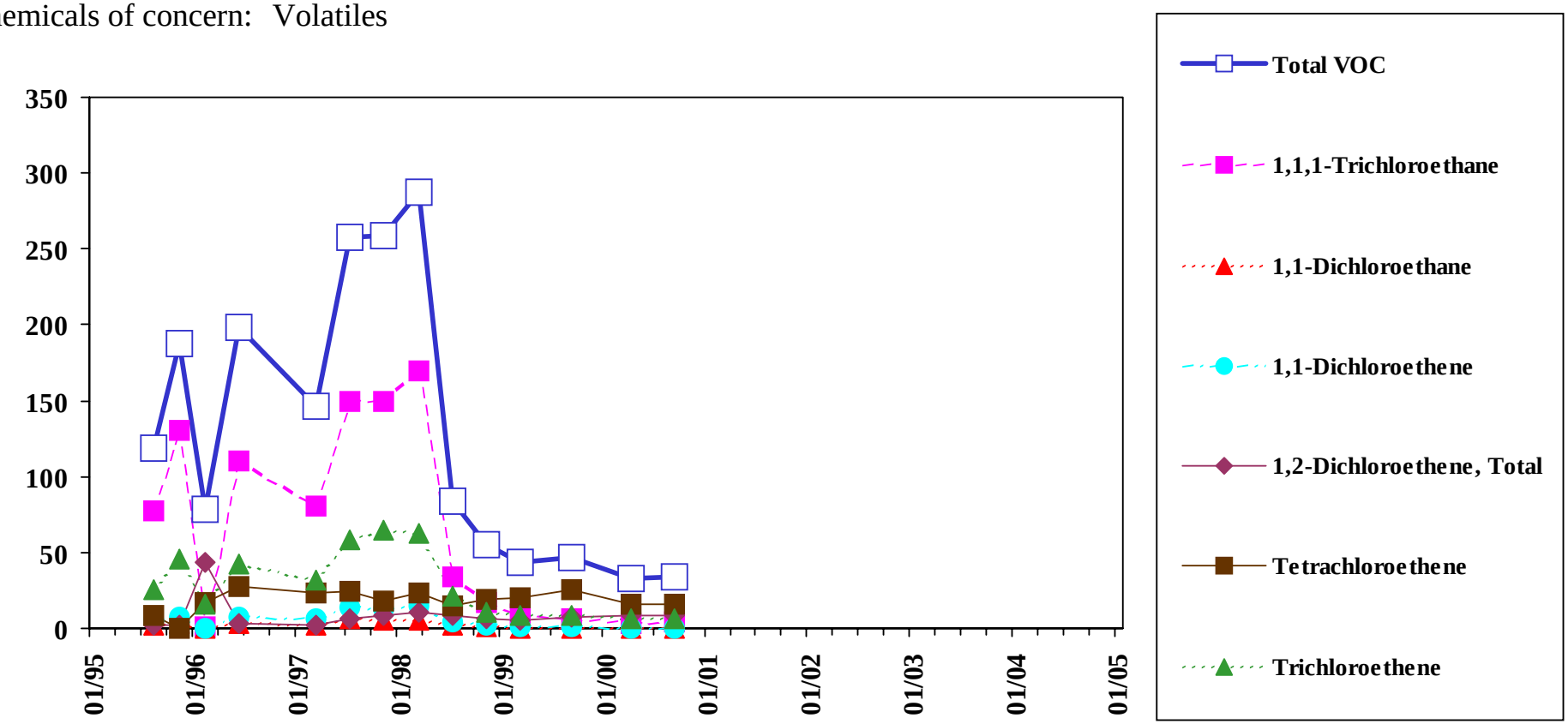
Sample Location:

EW-02

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

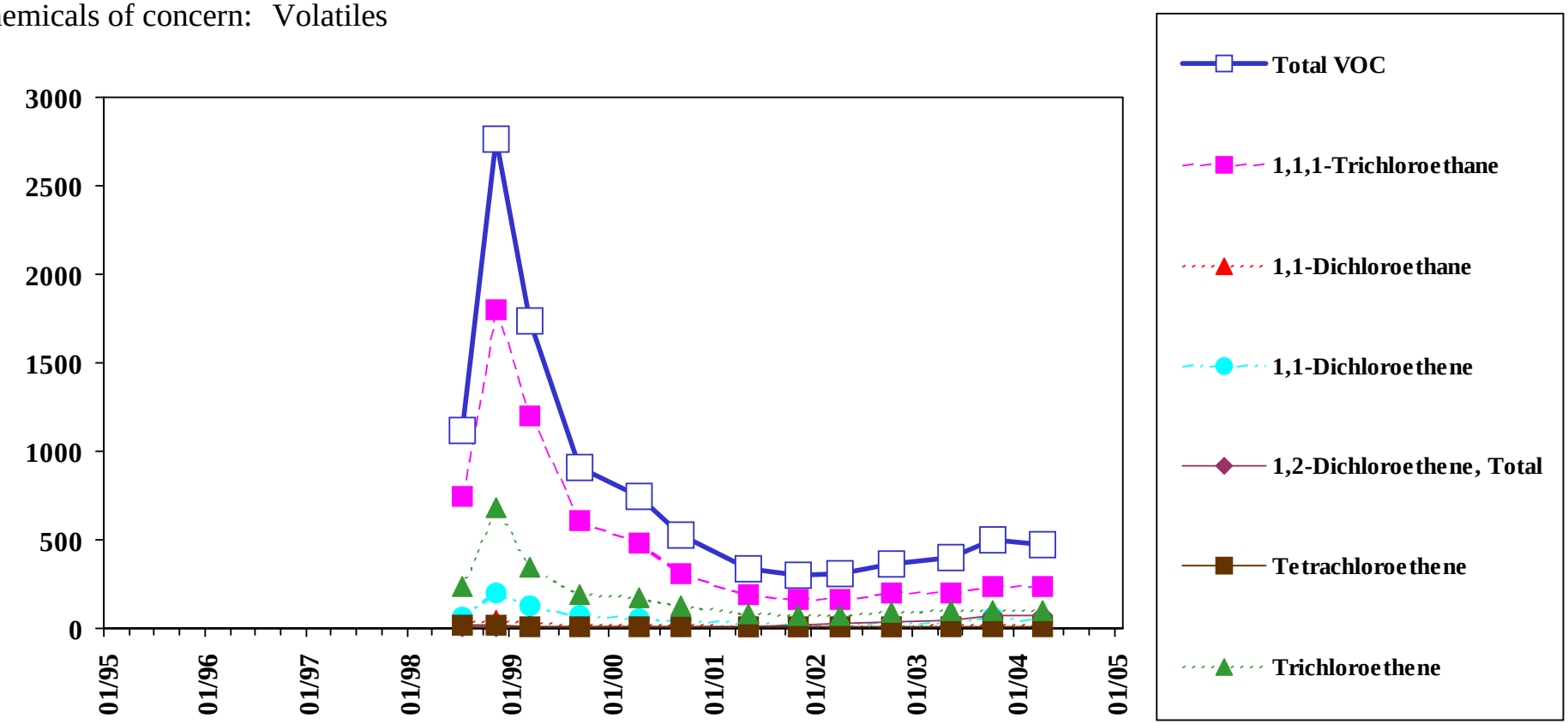
Sample Location:

EW-02A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

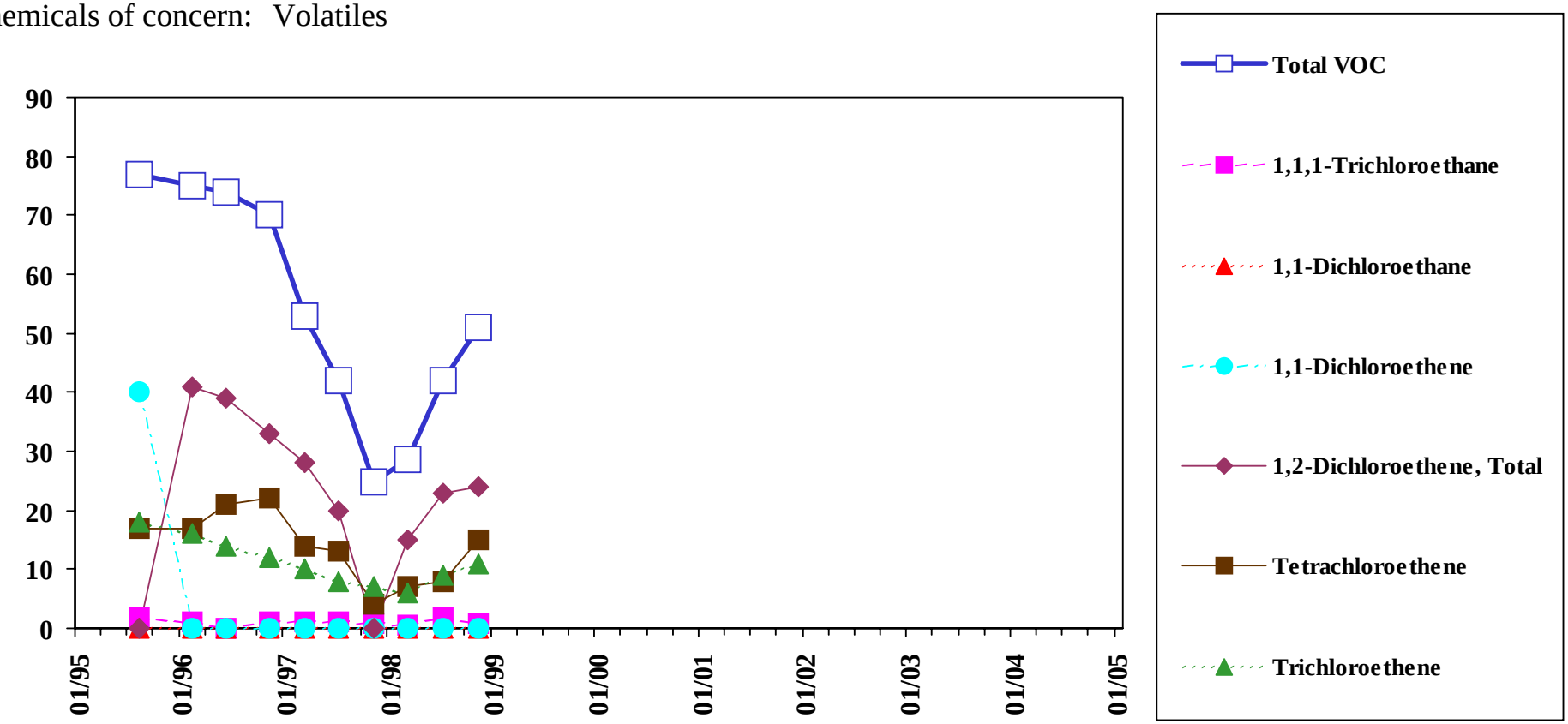
Sample Location:

EW-03

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

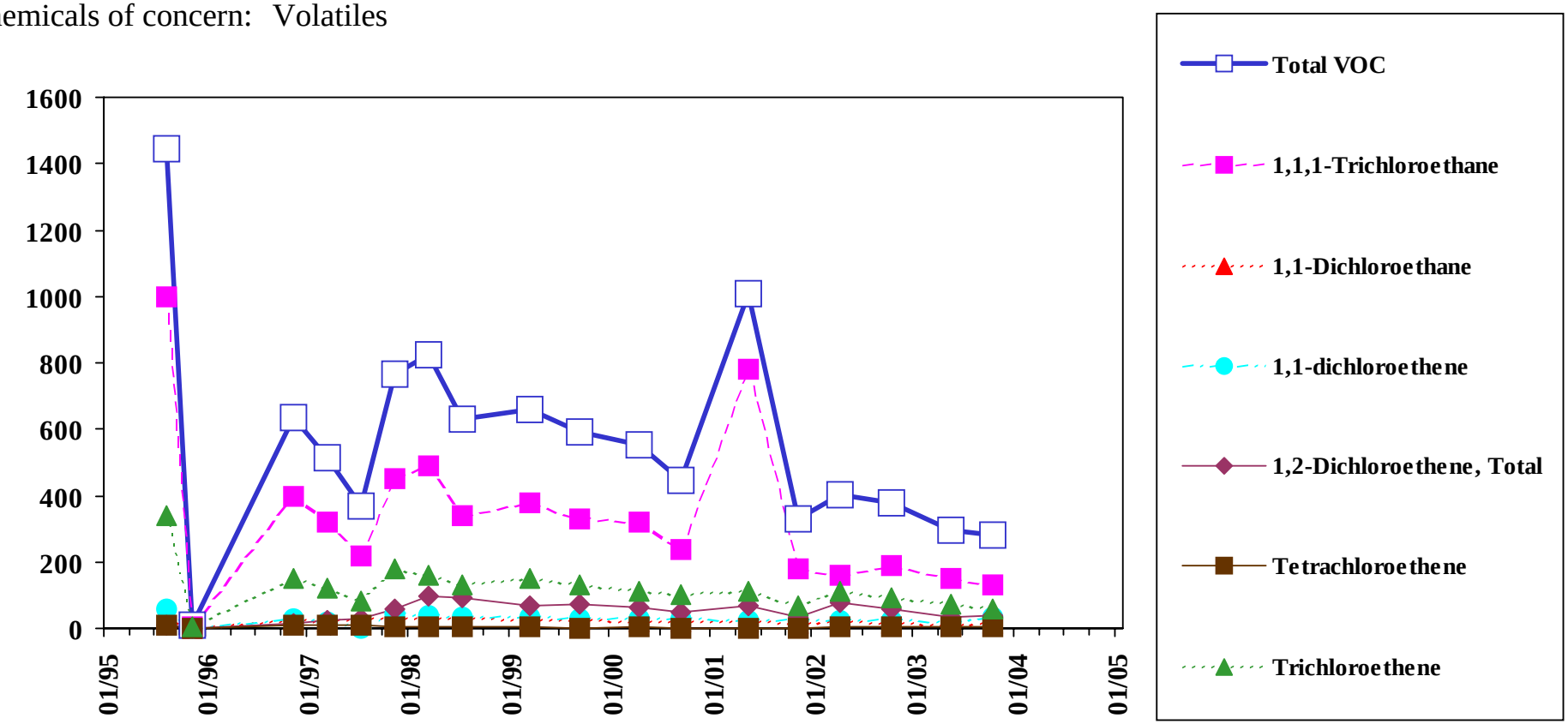
Sample Location:

EW-04

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

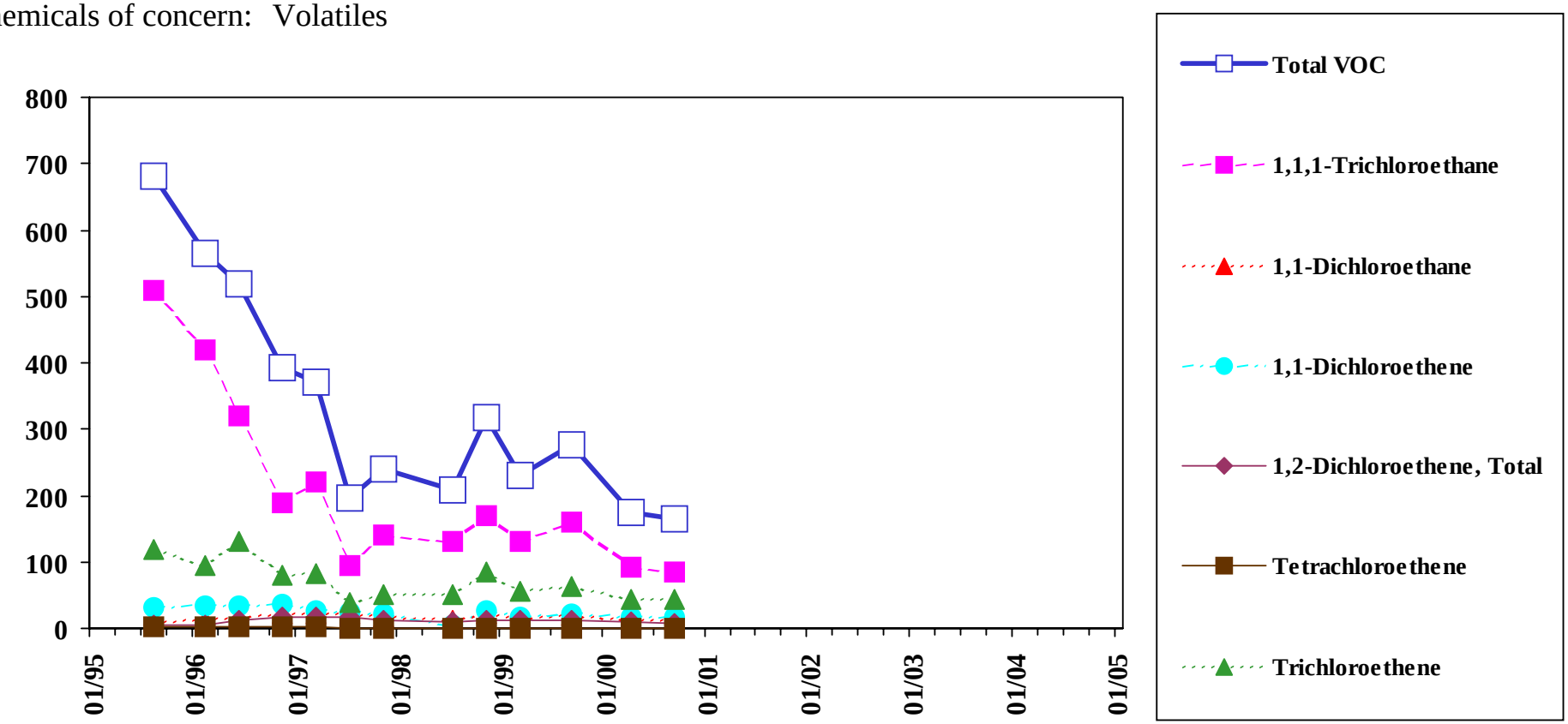
Sample Location:

EW-05

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

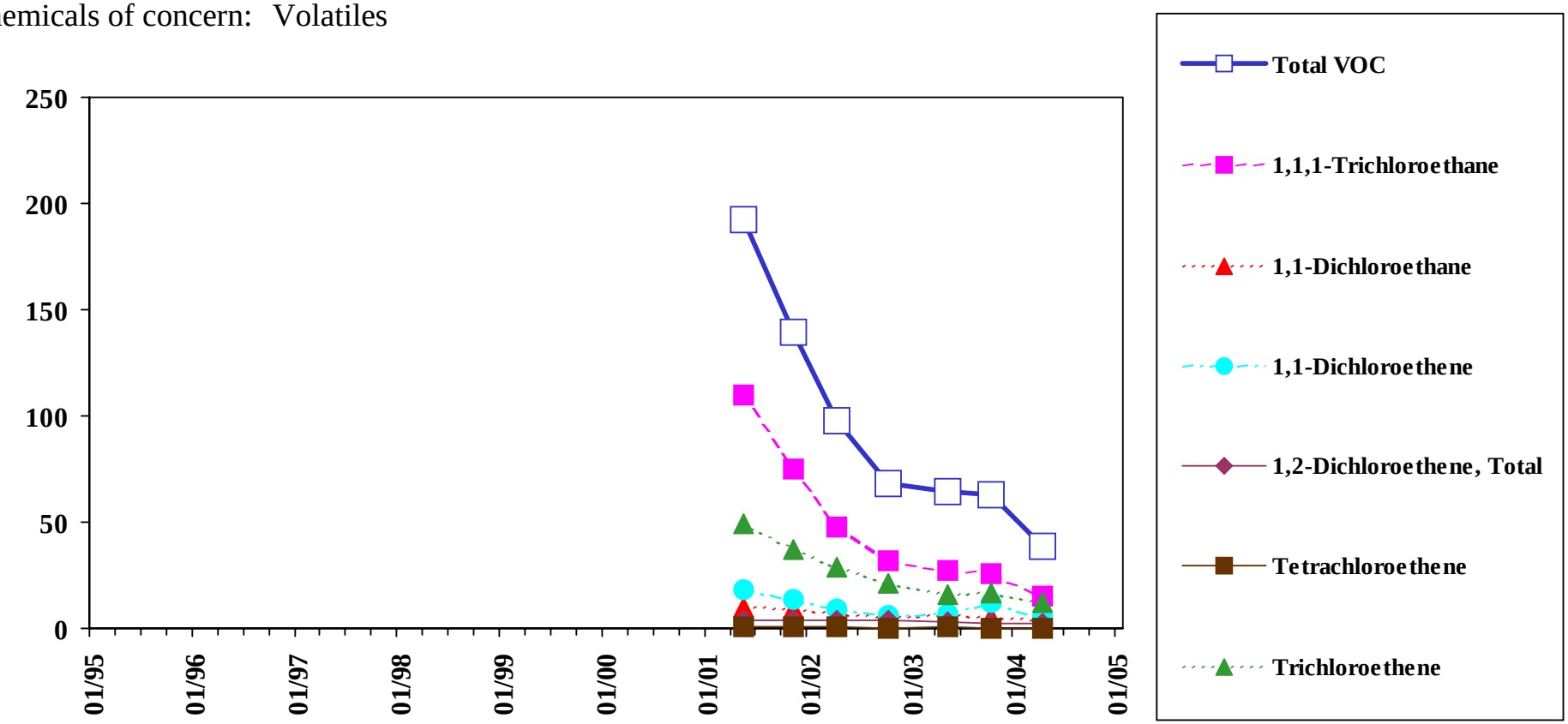
Sample Location:

EW-05A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

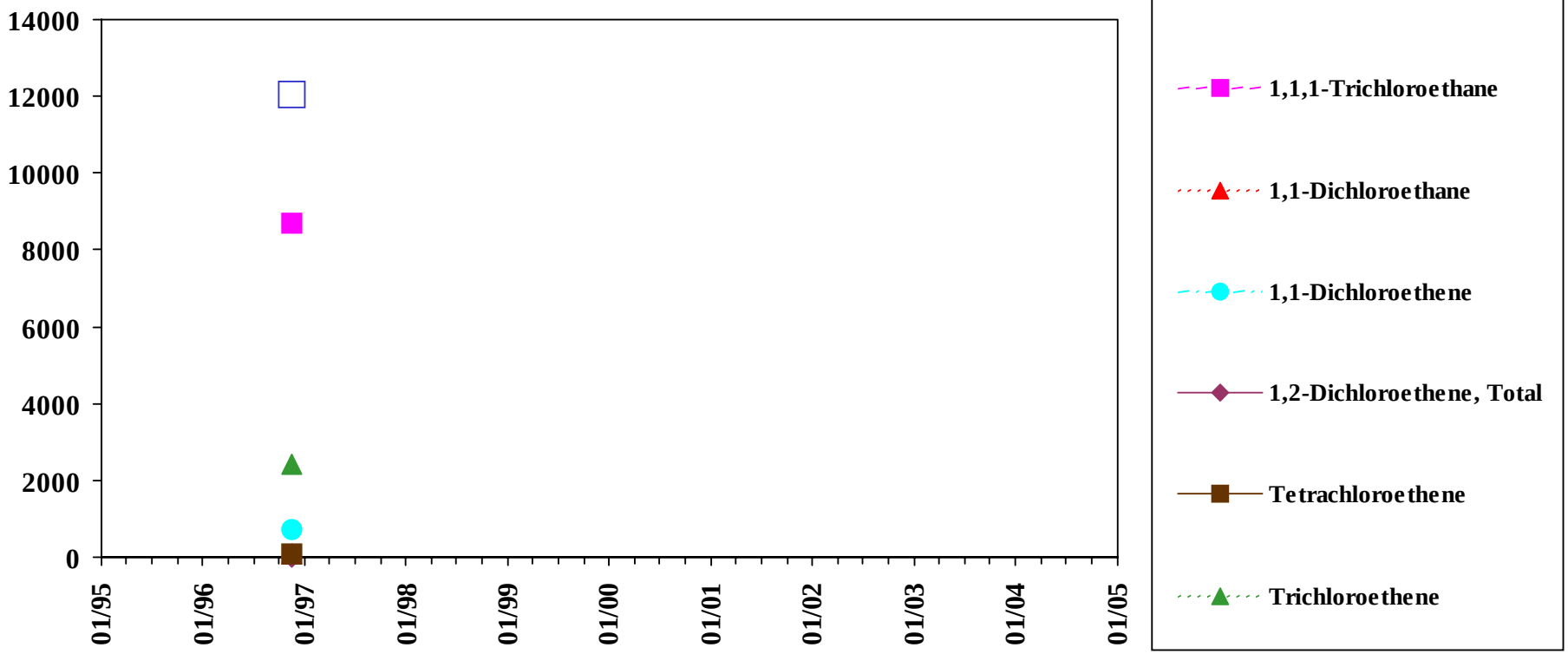
Sample Location:

MW-101

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

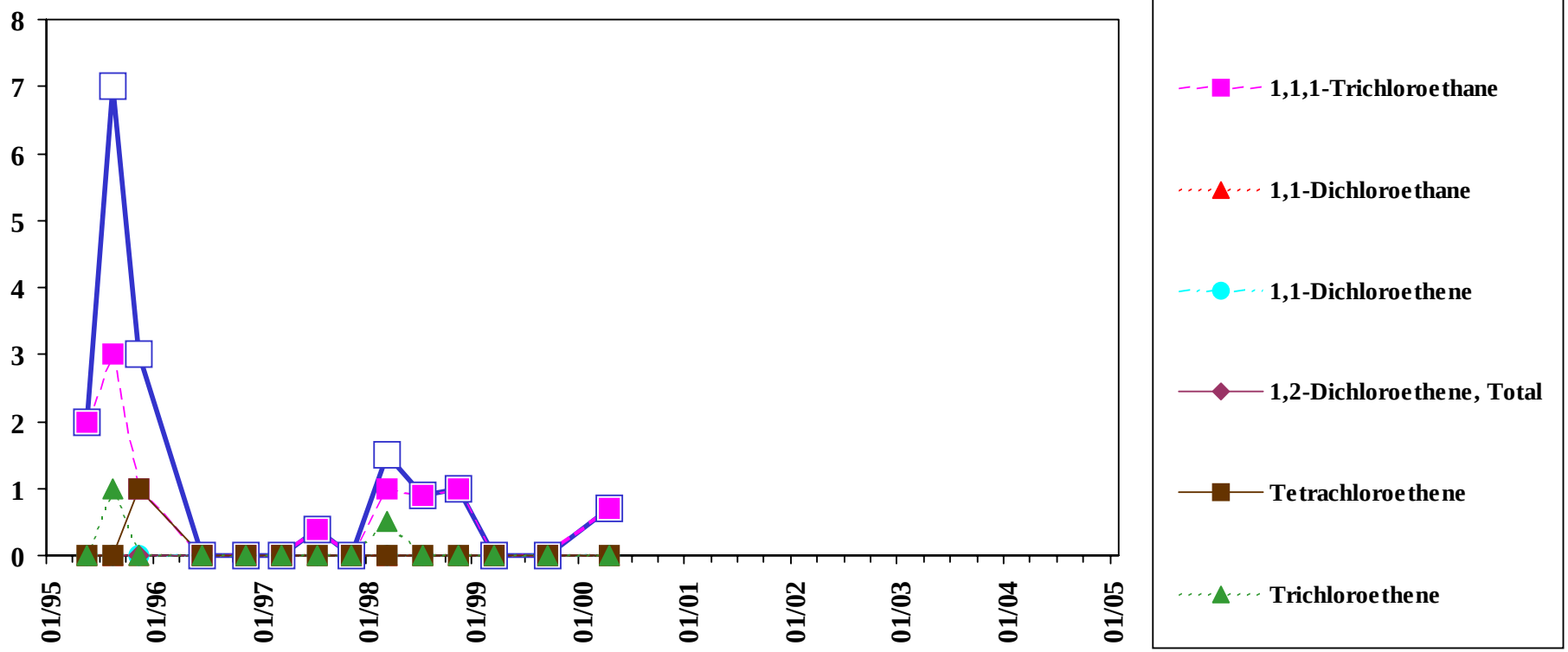
Sample Location:

MW-105A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

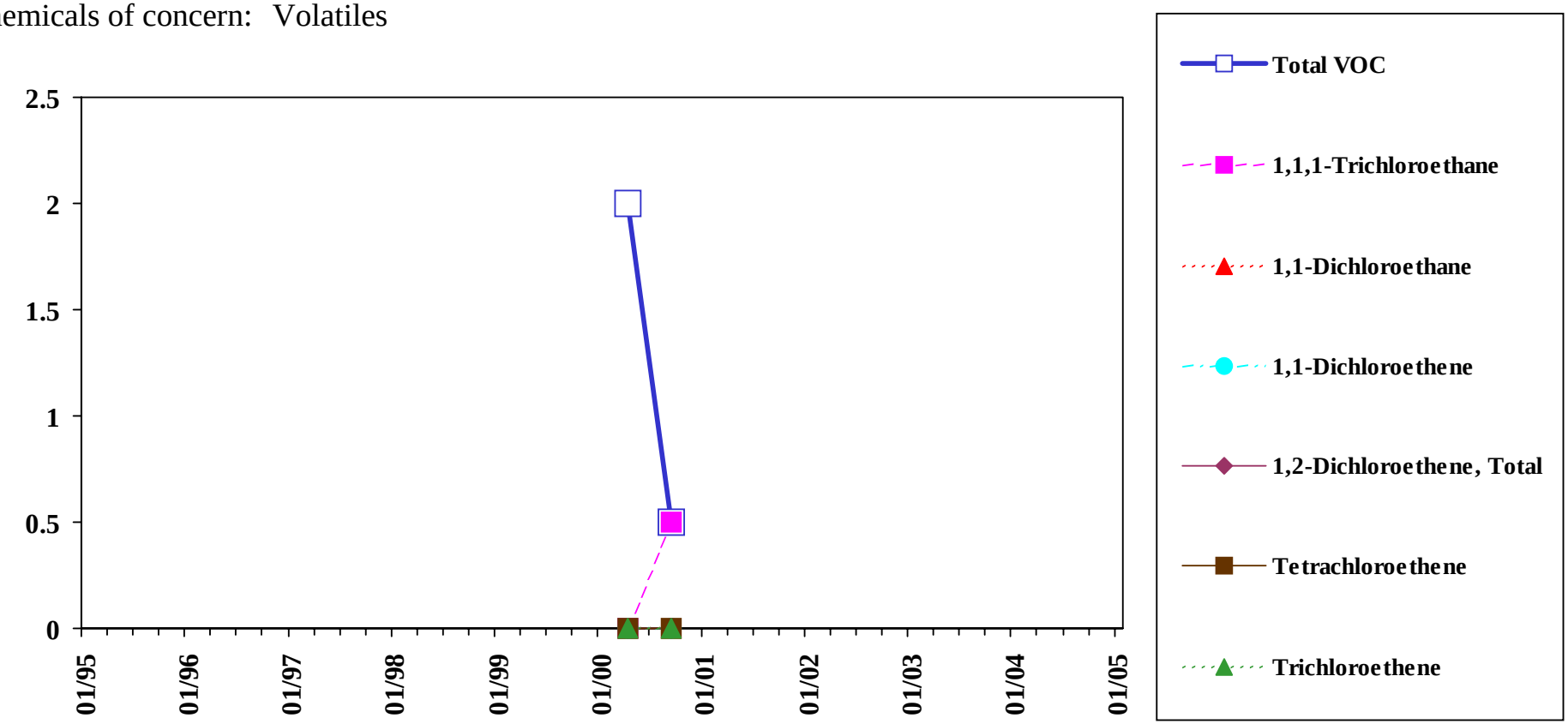
Sample Location:

MW-105A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

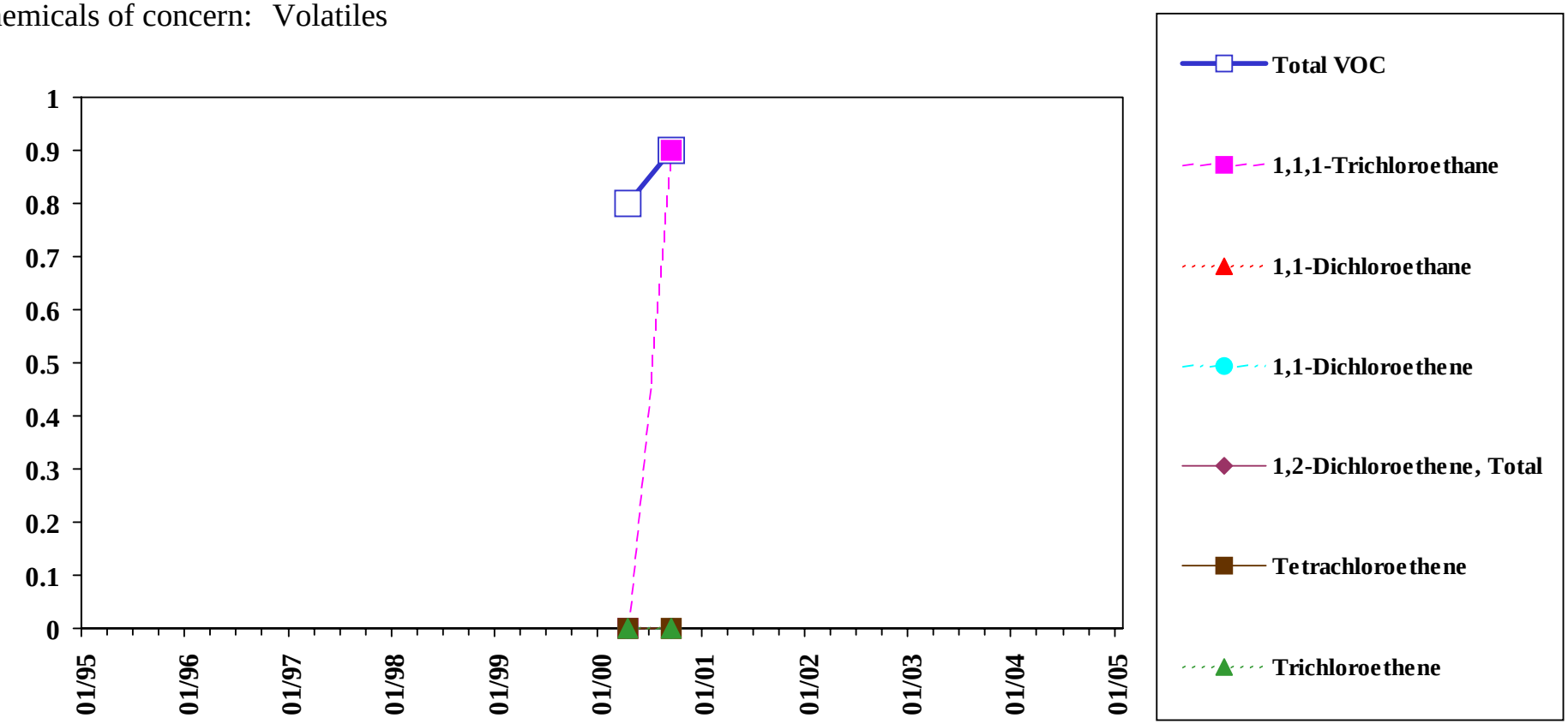
Sample Location:

MW-105A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

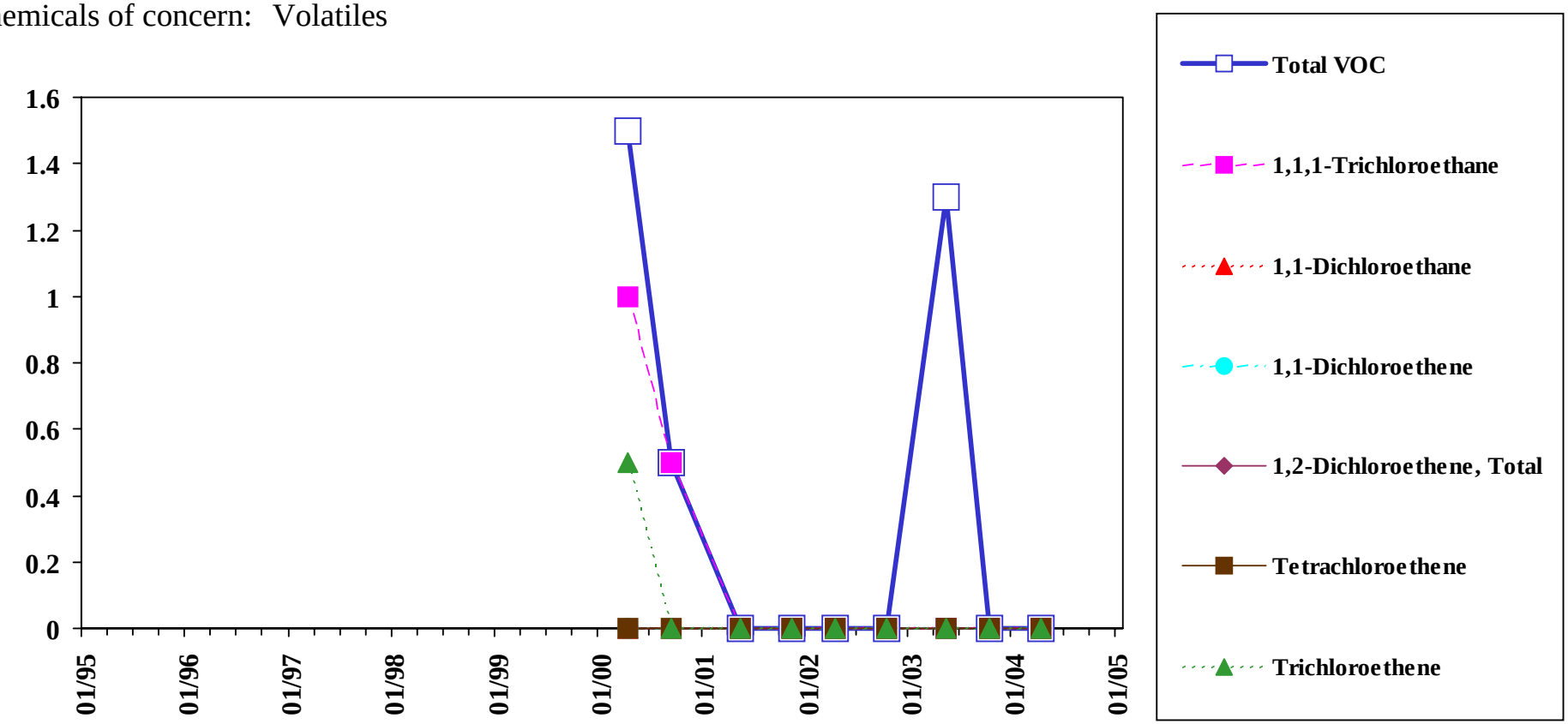
Sample Location:

MW-105A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

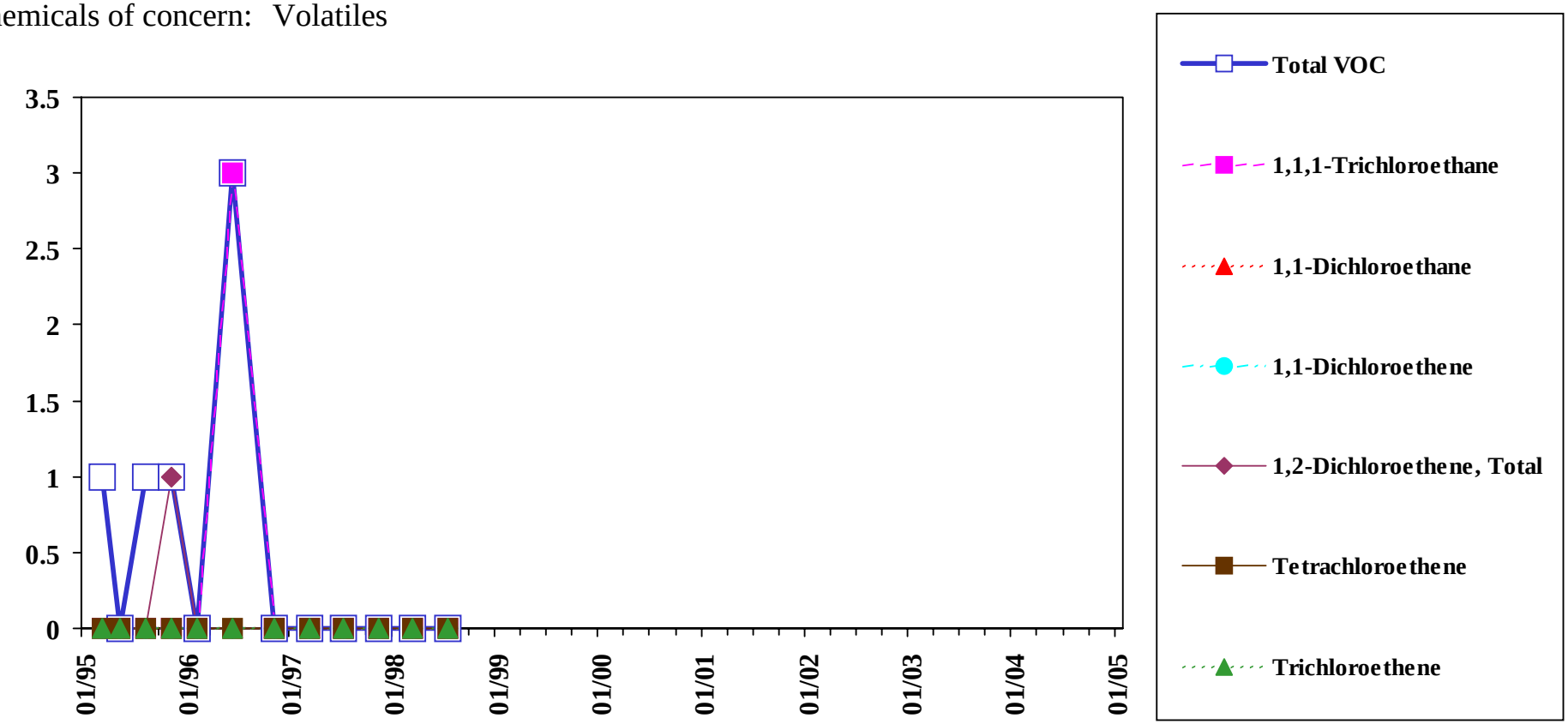
Sample Location:

MW-105B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

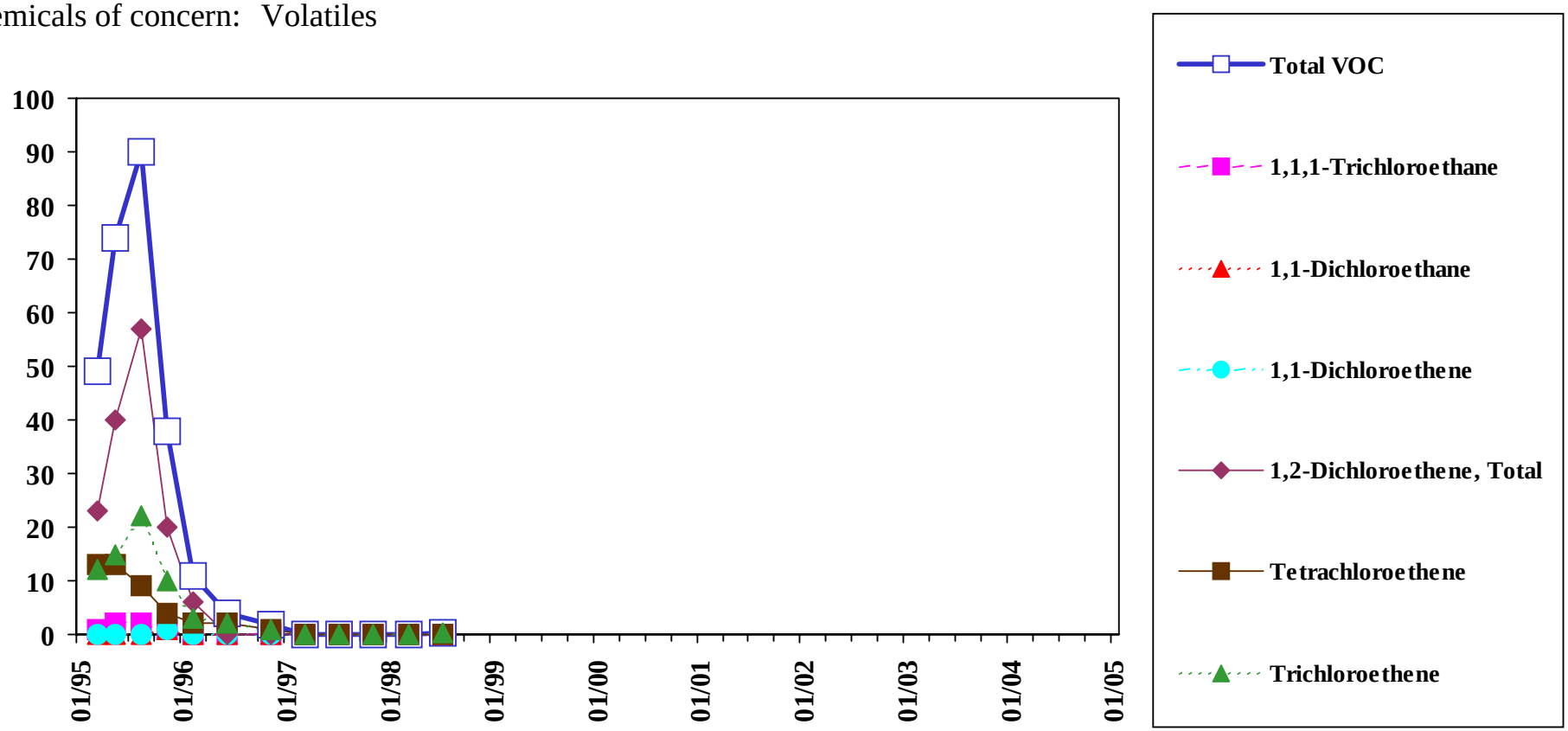
Sample Location:

MW-106

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

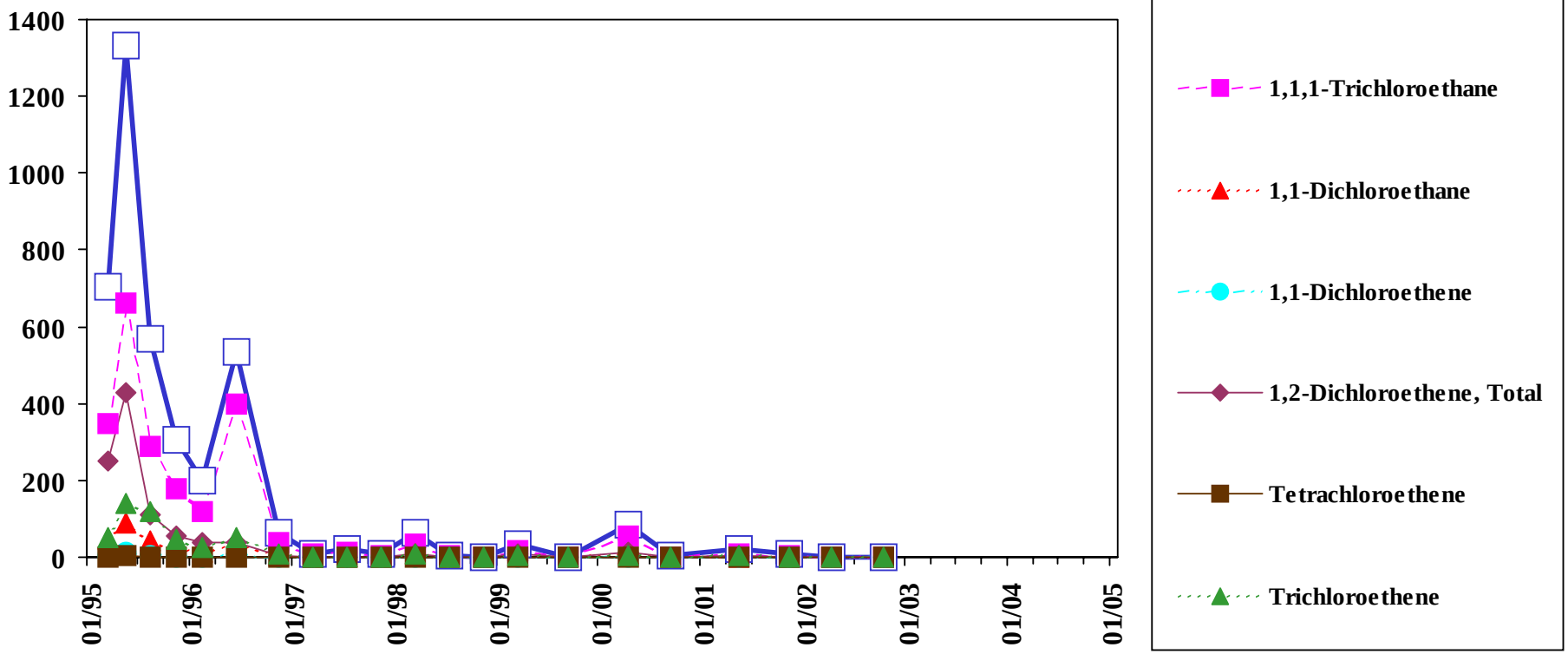
Sample Location:

MW-1104

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

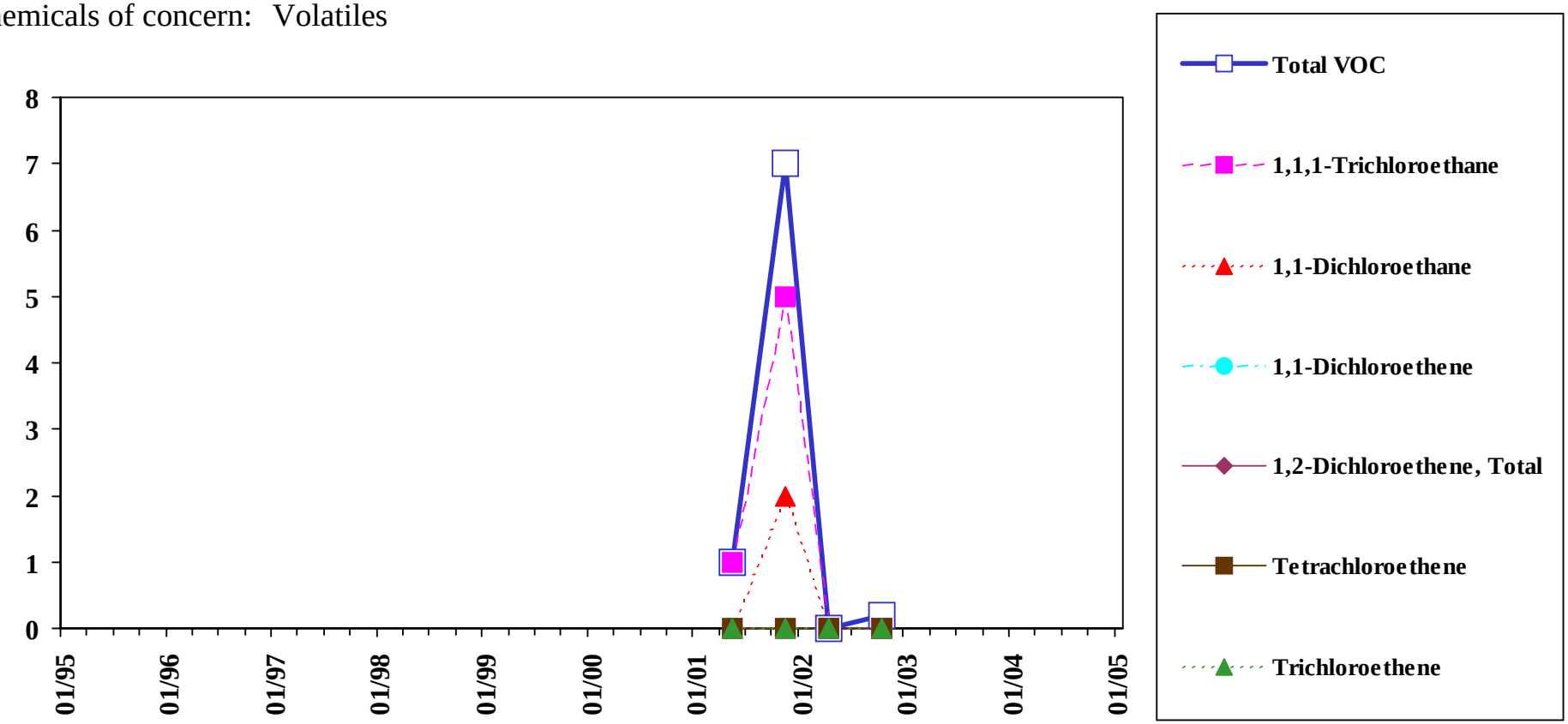
Sample Location:

MW-1104

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

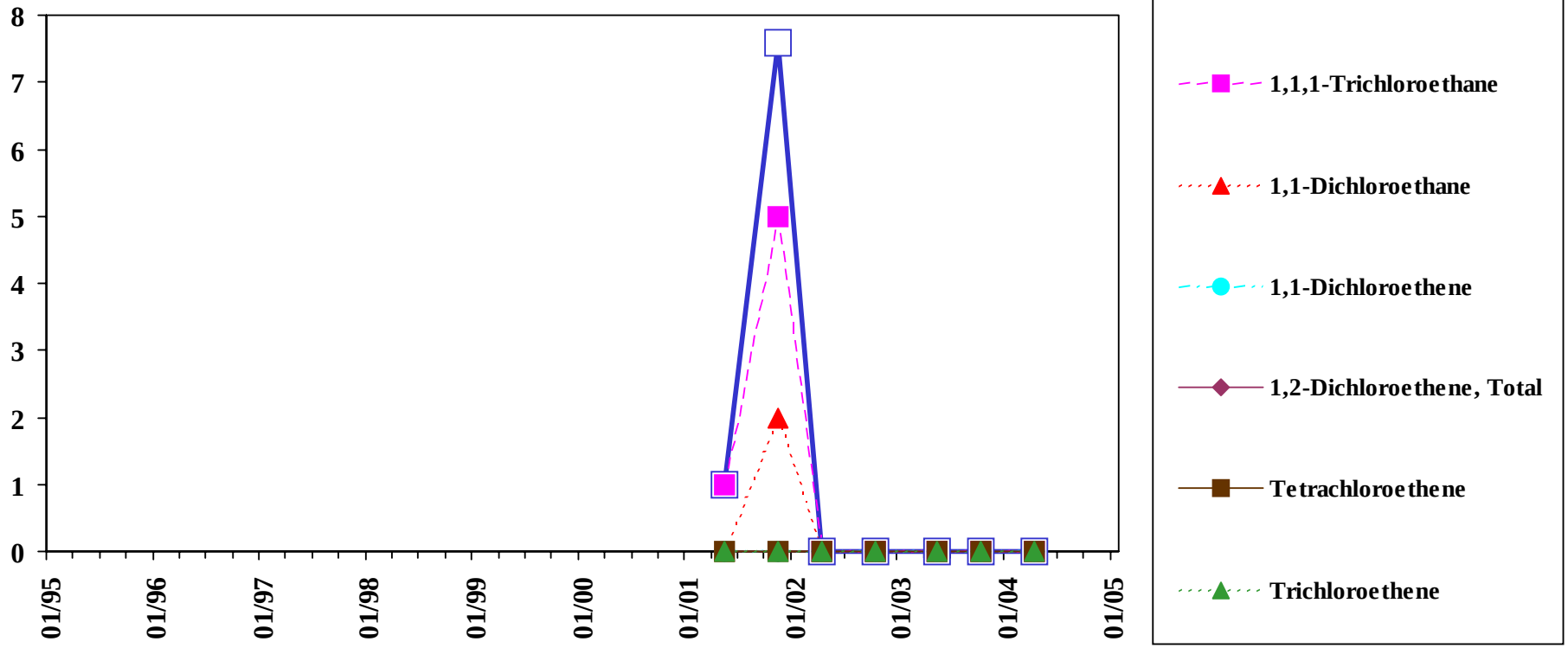
Sample Location:

MW-1104

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

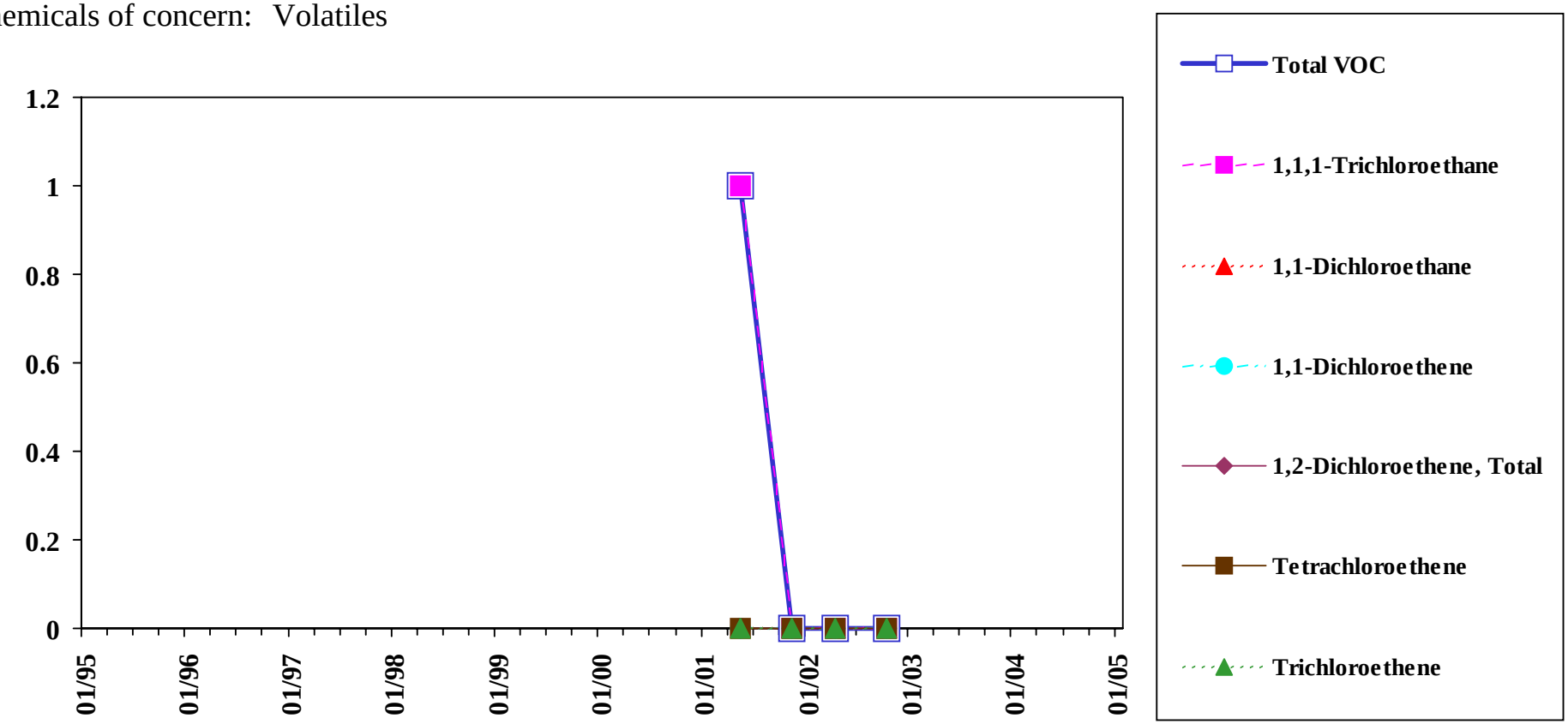
Sample Location:

MW-1104

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

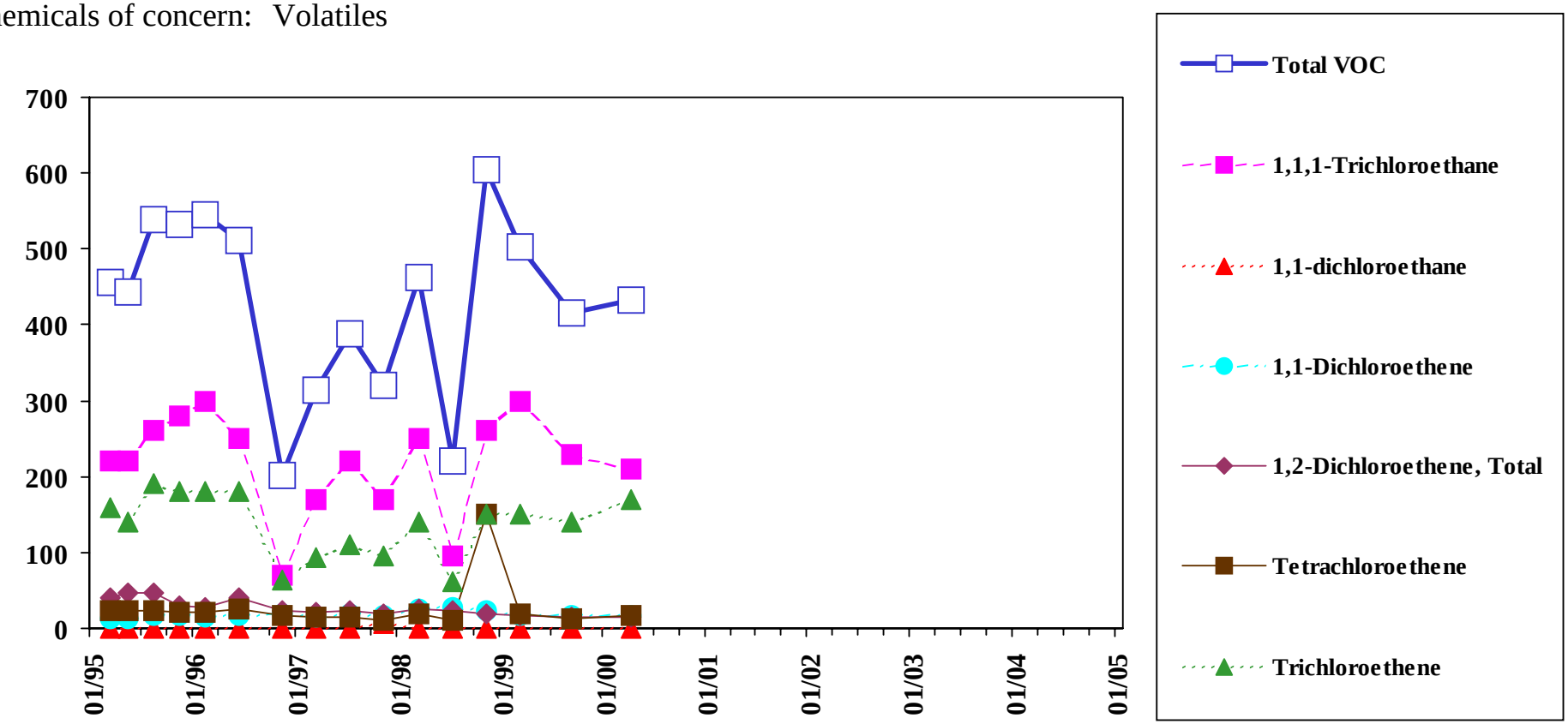
Sample Location:

MW-205

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

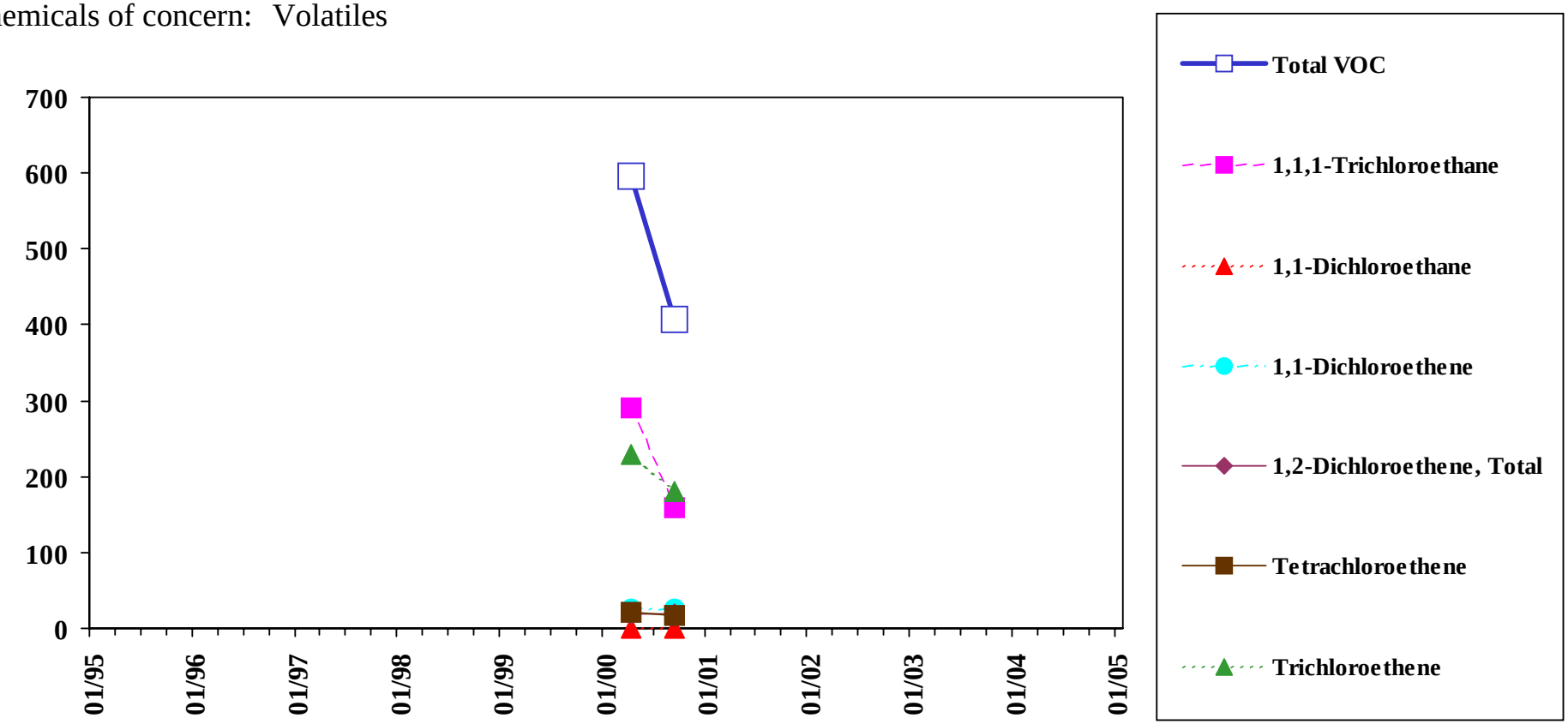
Sample Location:

MW-205

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

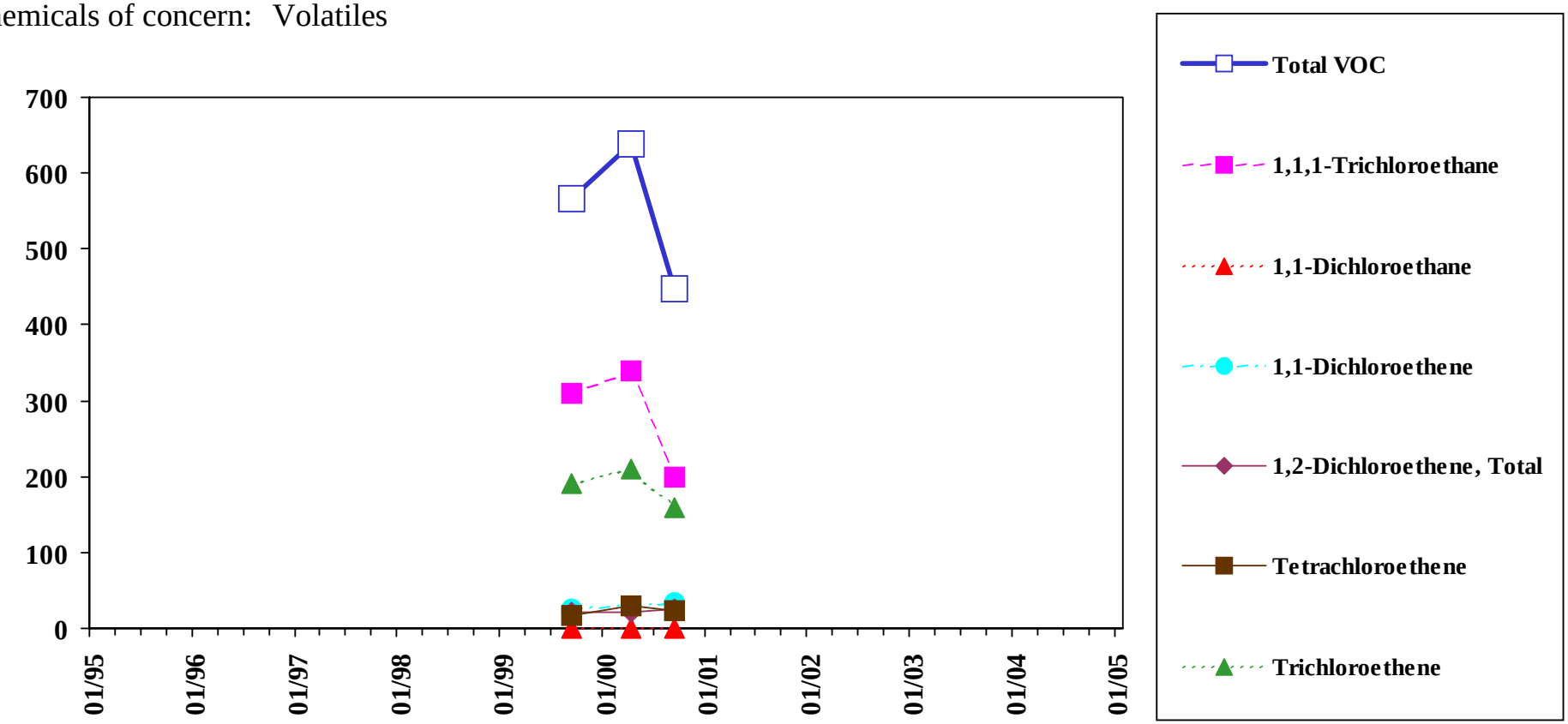
Sample Location:

MW-205

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

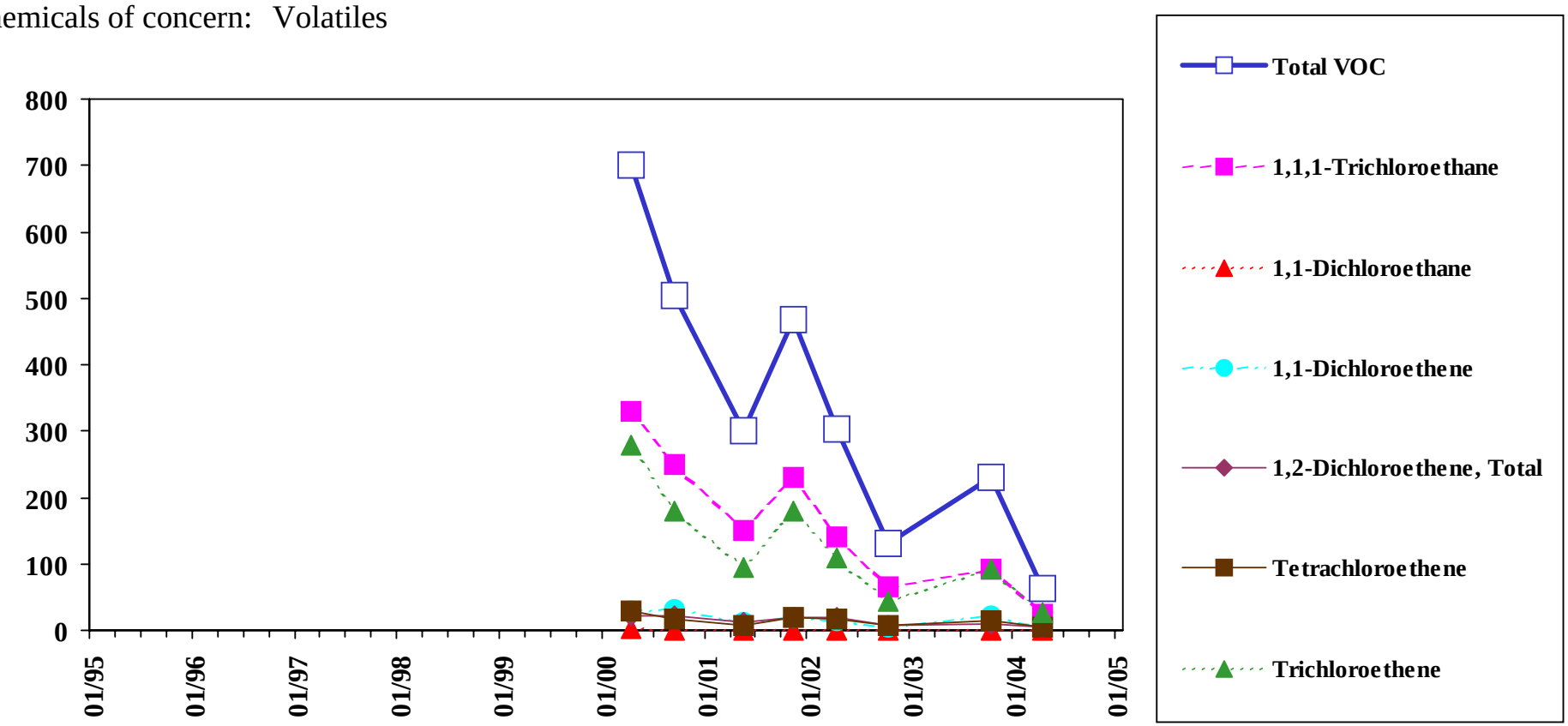
Sample Location:

MW-205

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

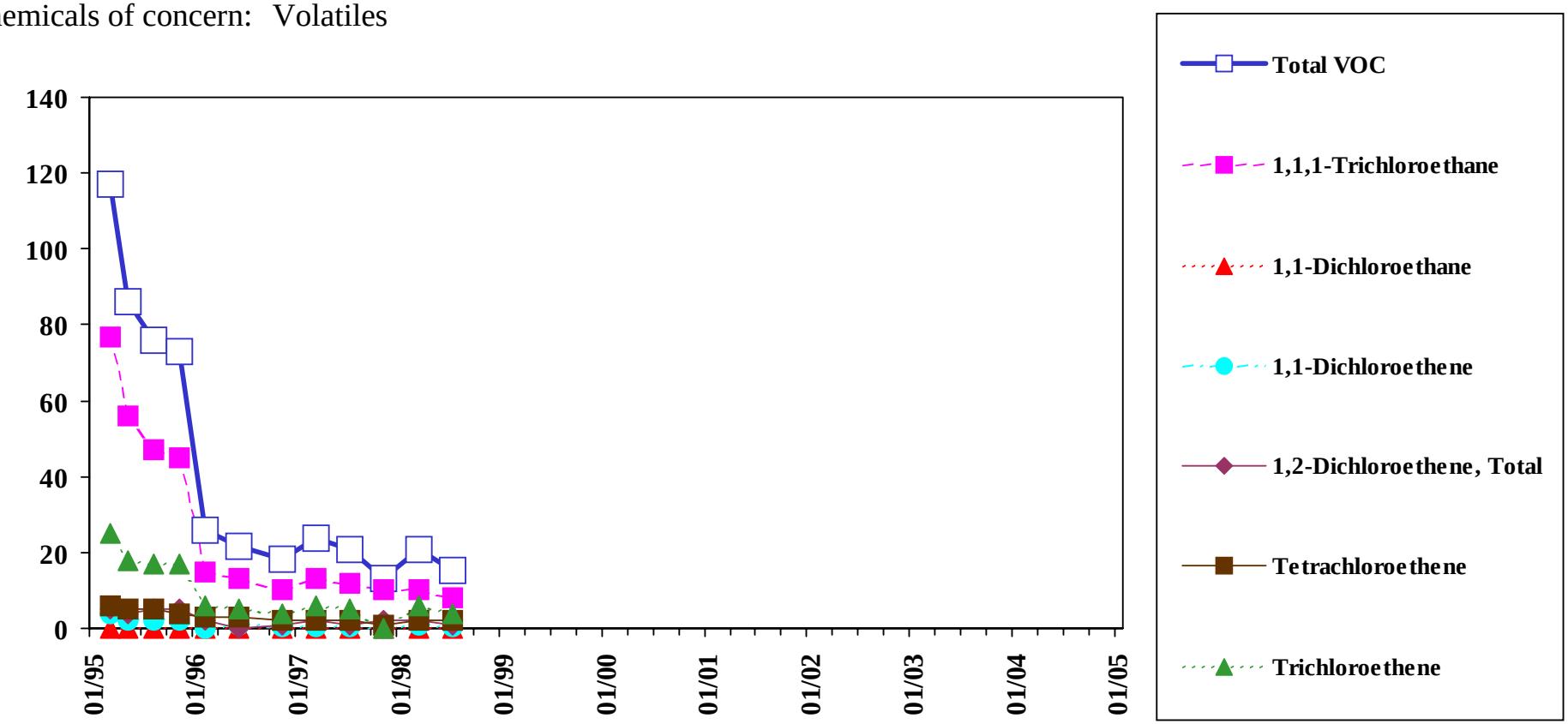
Sample Location:

MW-206A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

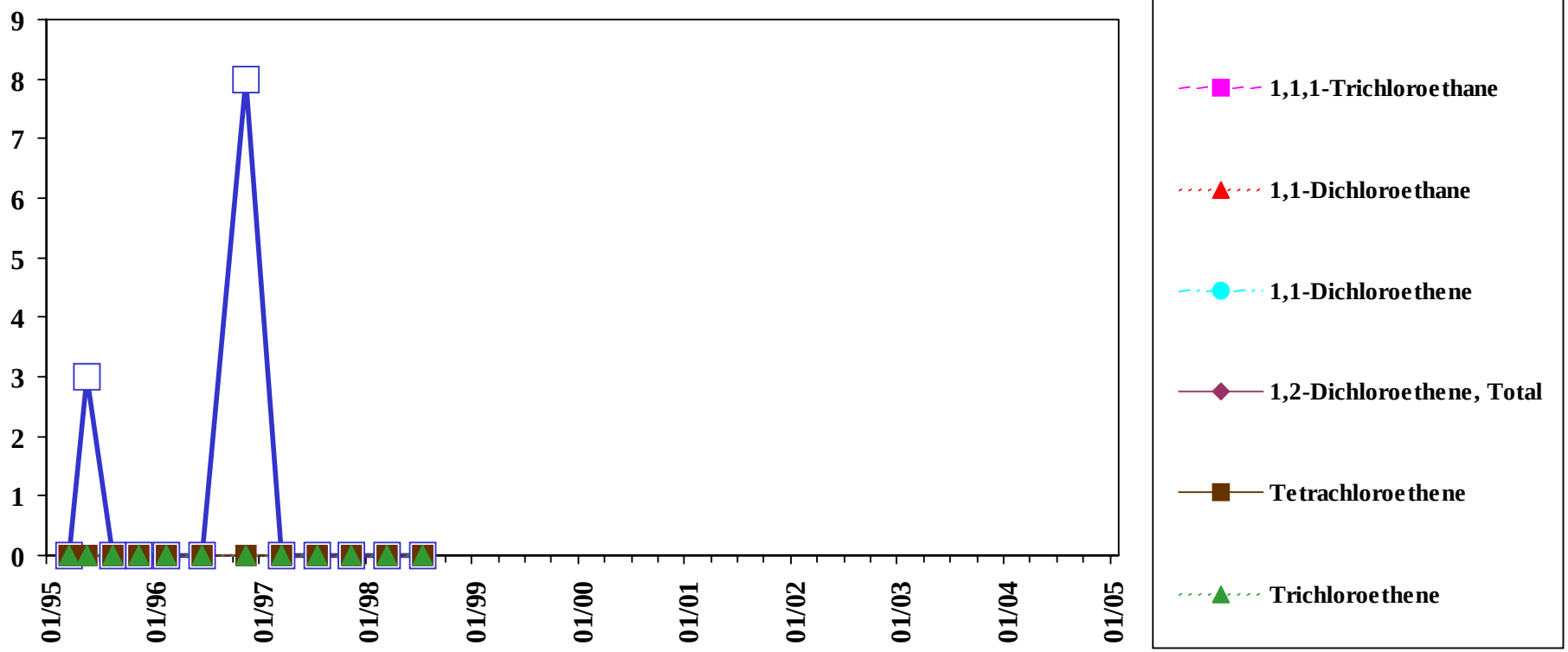
Sample Location:

MW-206B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

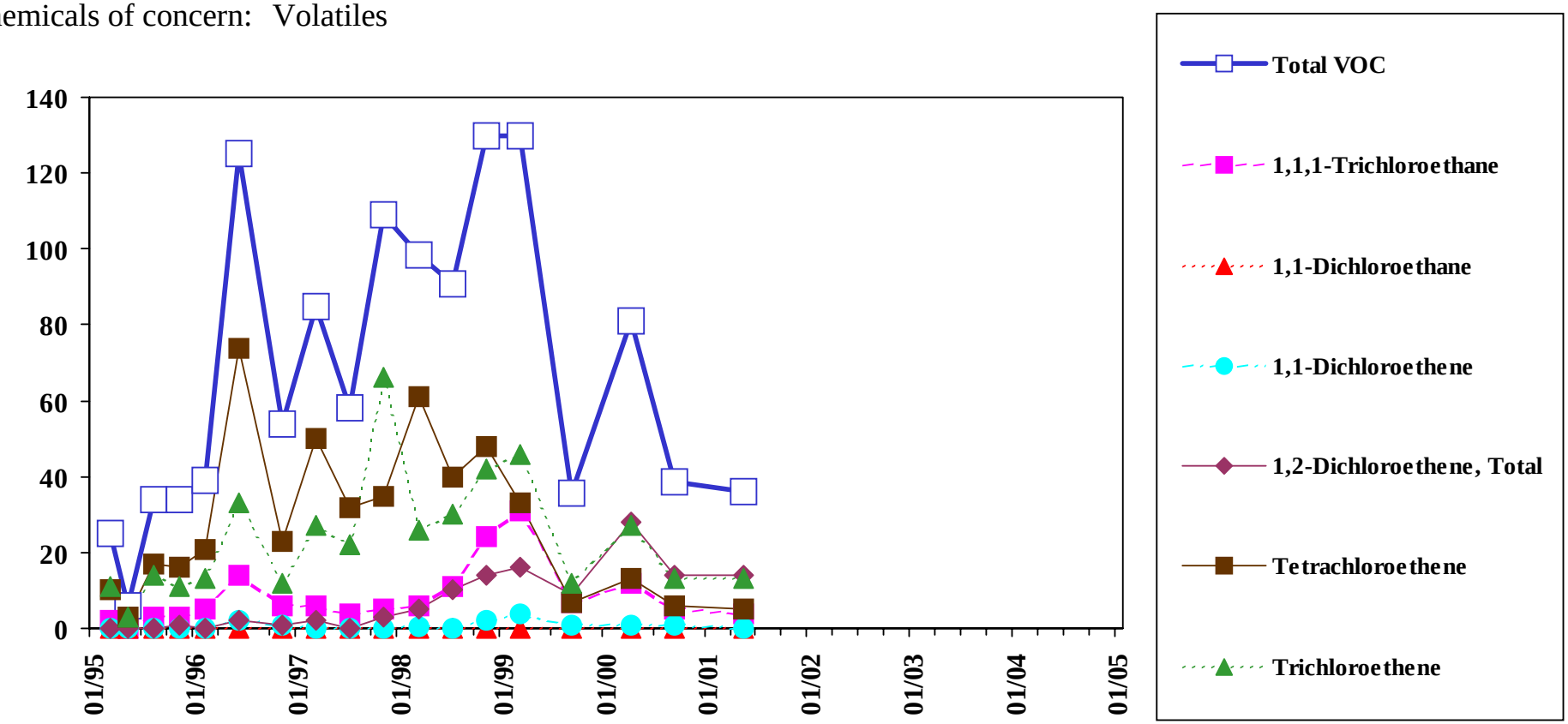
Sample Location:

MW-207A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

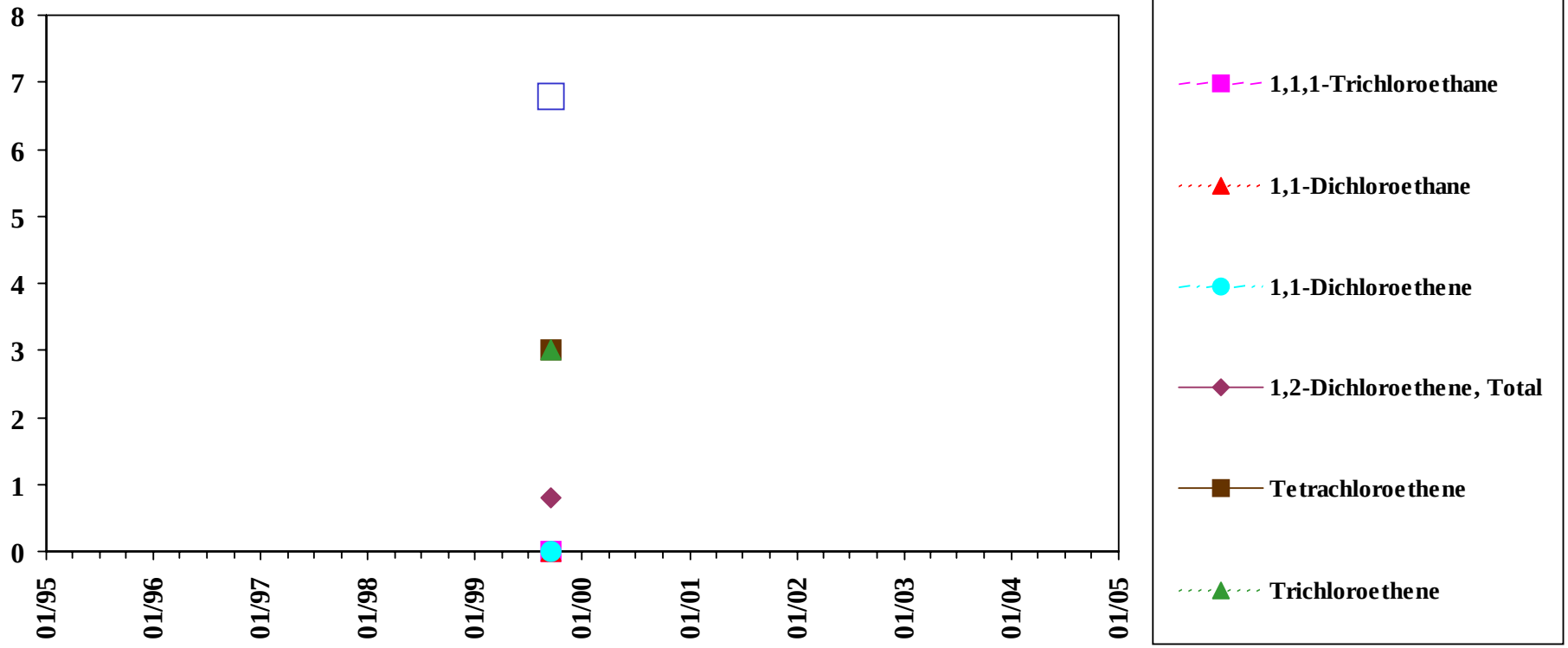
Sample Location:

MW-207A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

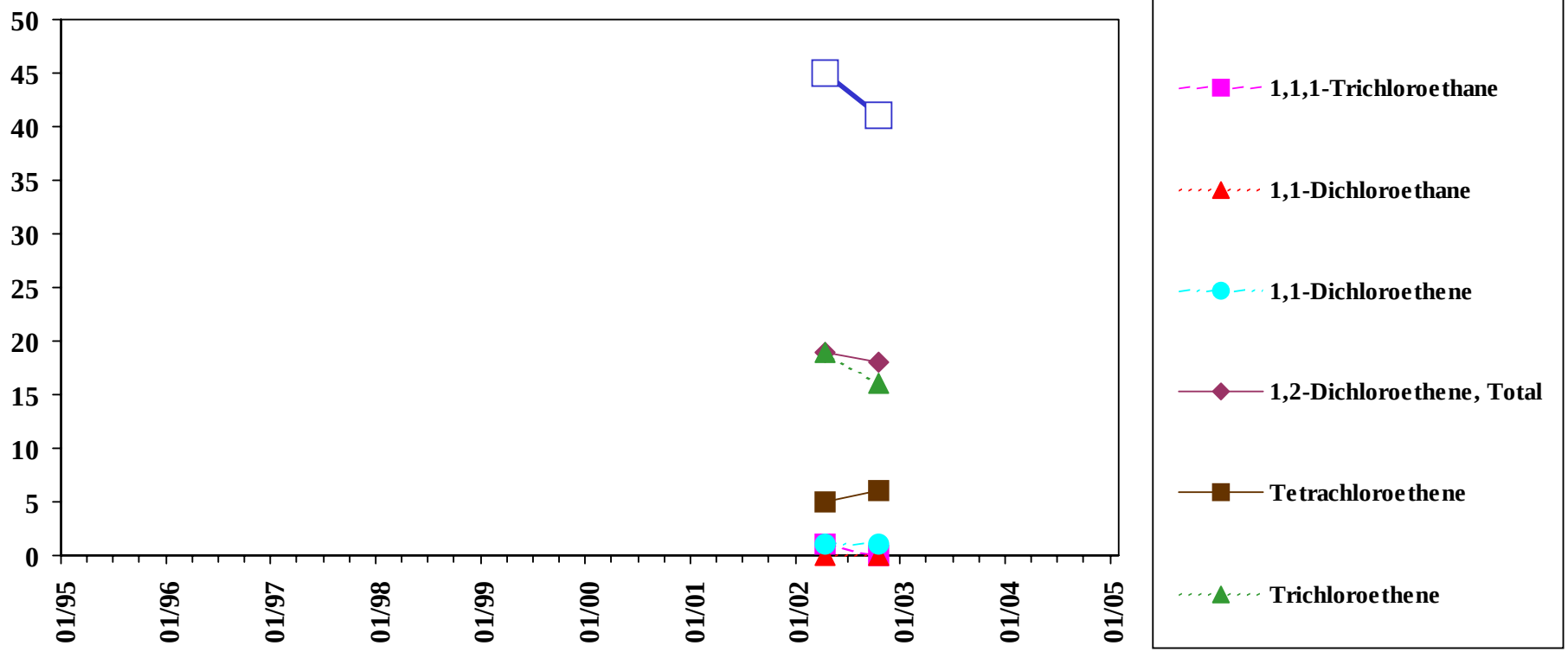
Sample Location:

MW-207AR

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

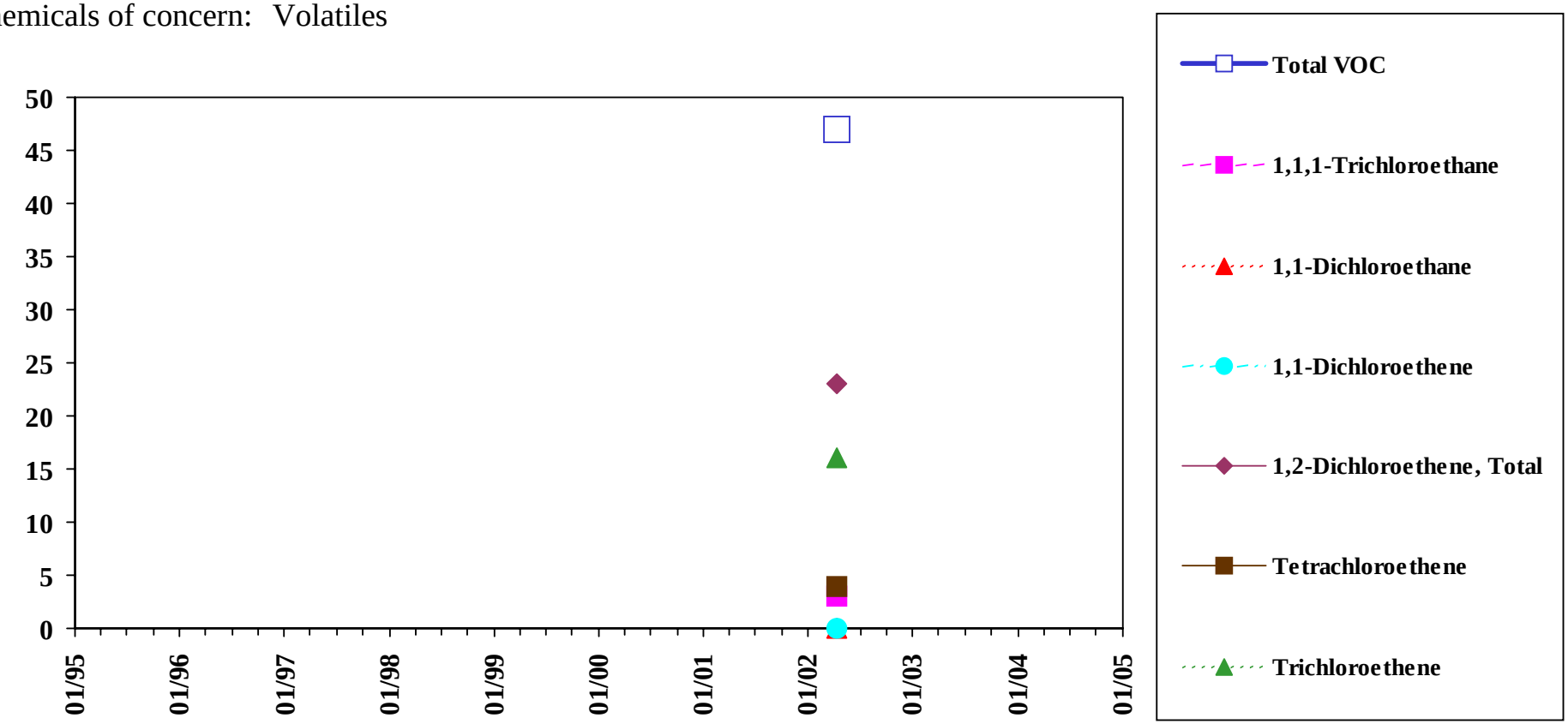
Sample Location:

MW-207AR

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

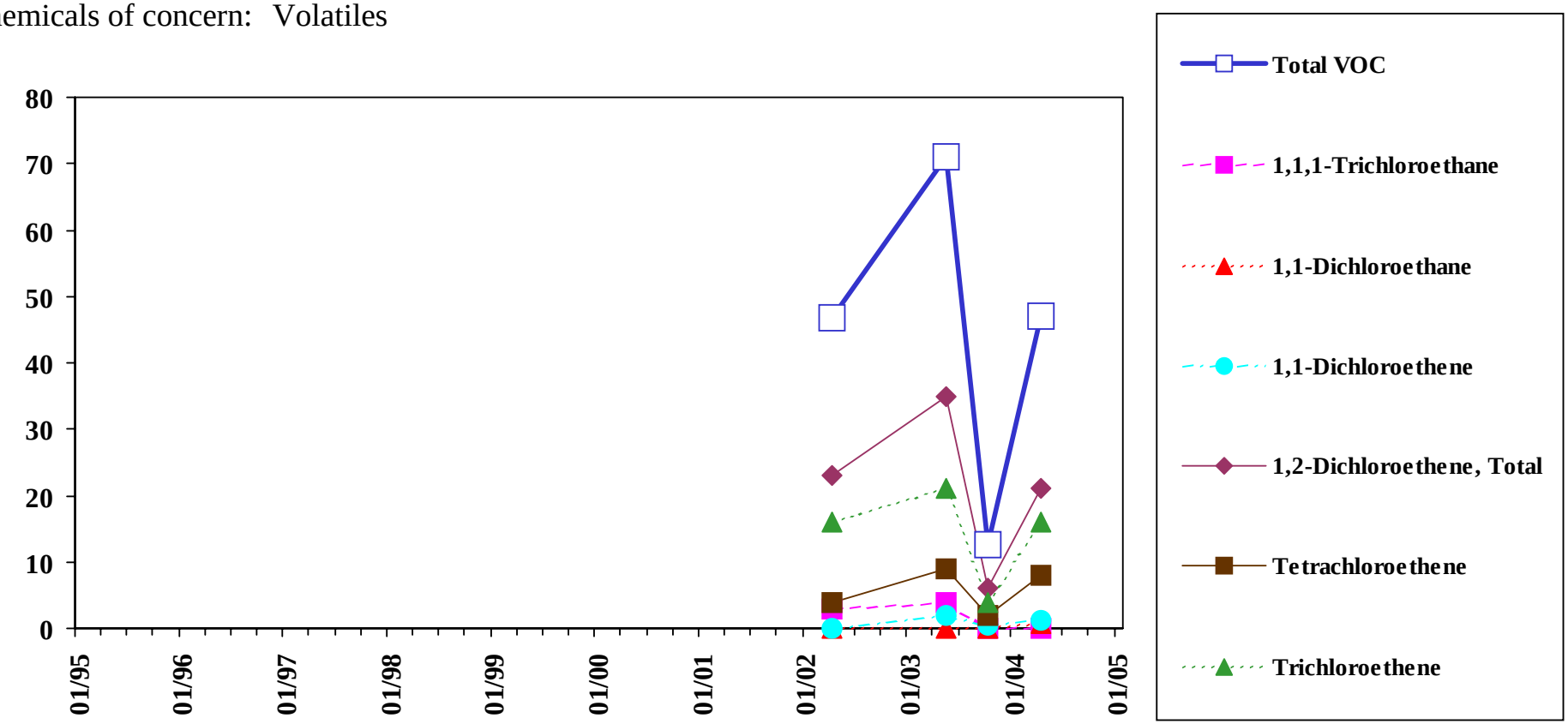
Sample Location:

MW-207AR

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

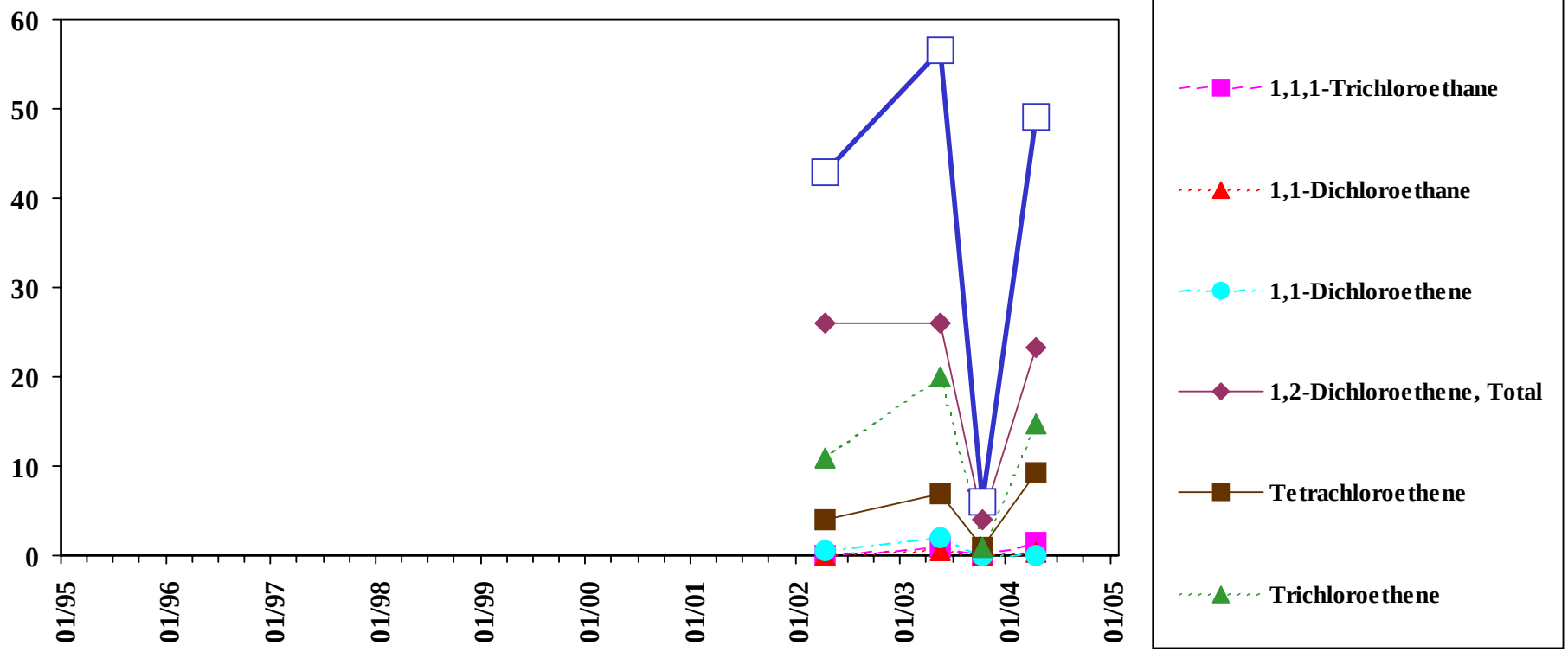
Sample Location:

MW-207AR

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

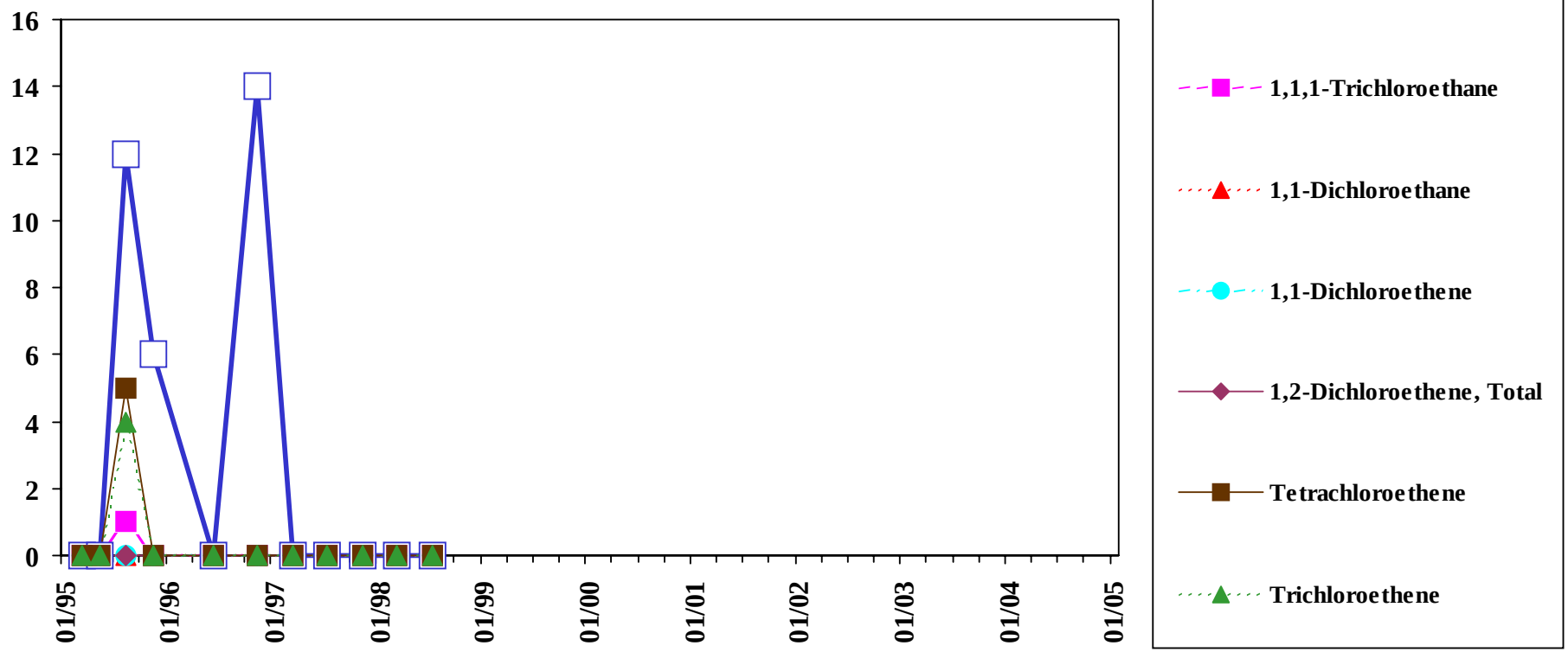
Sample Location:

MW-207B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

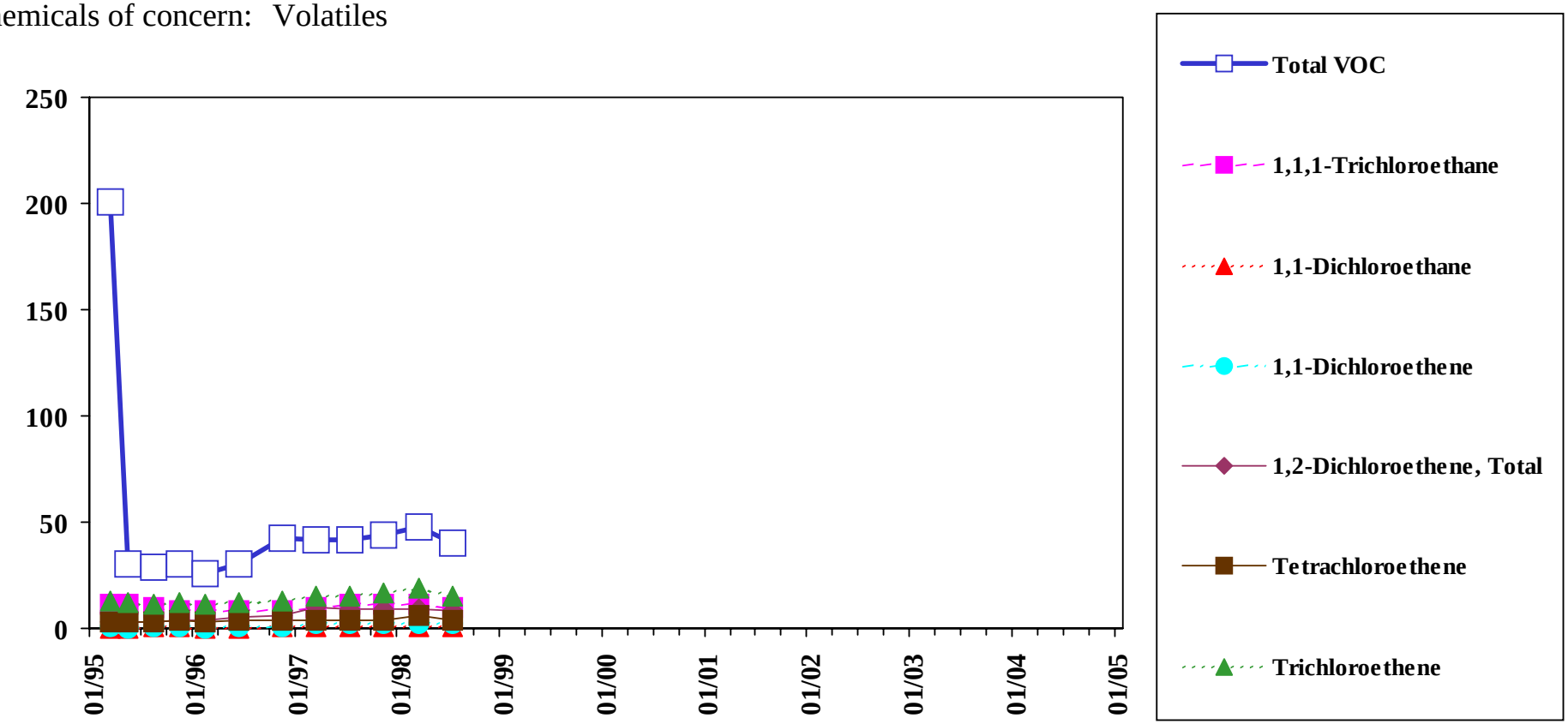
Sample Location:

MW-208

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

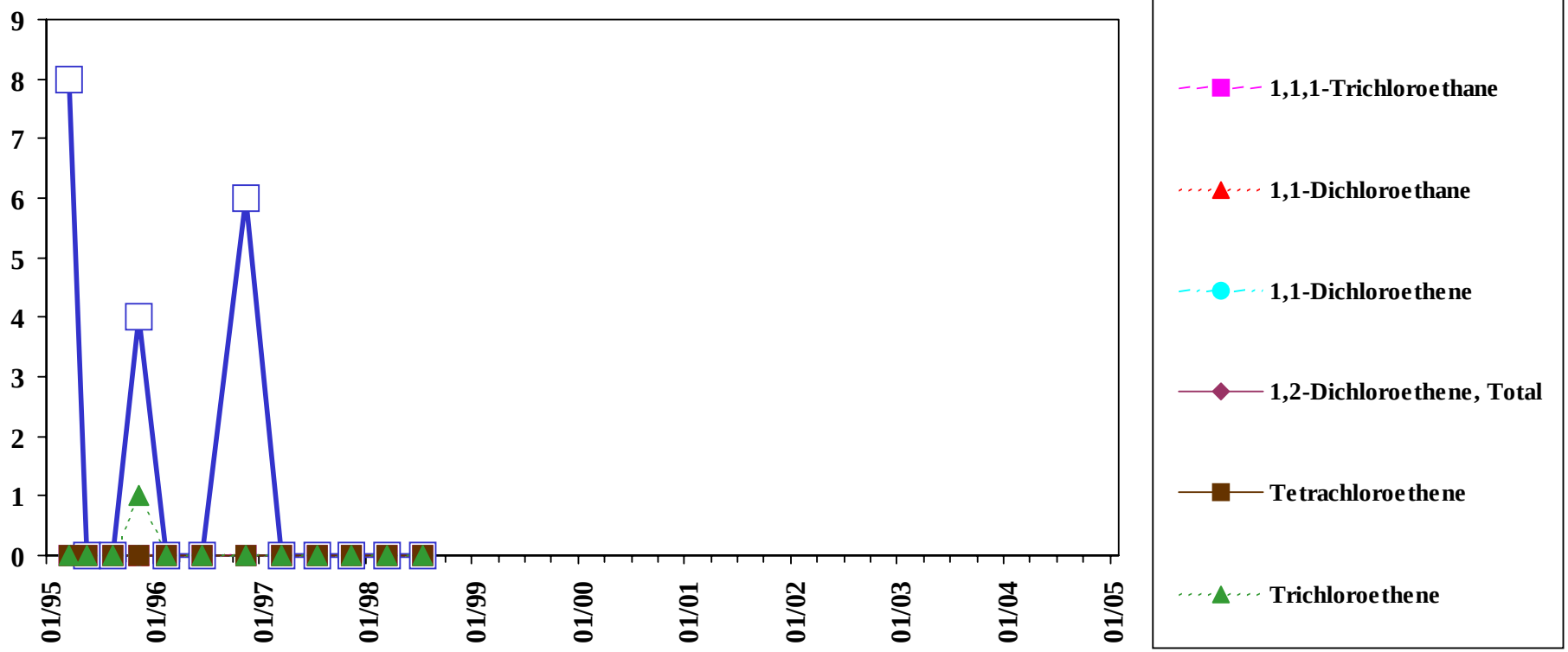
Sample Location:

MW-209

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

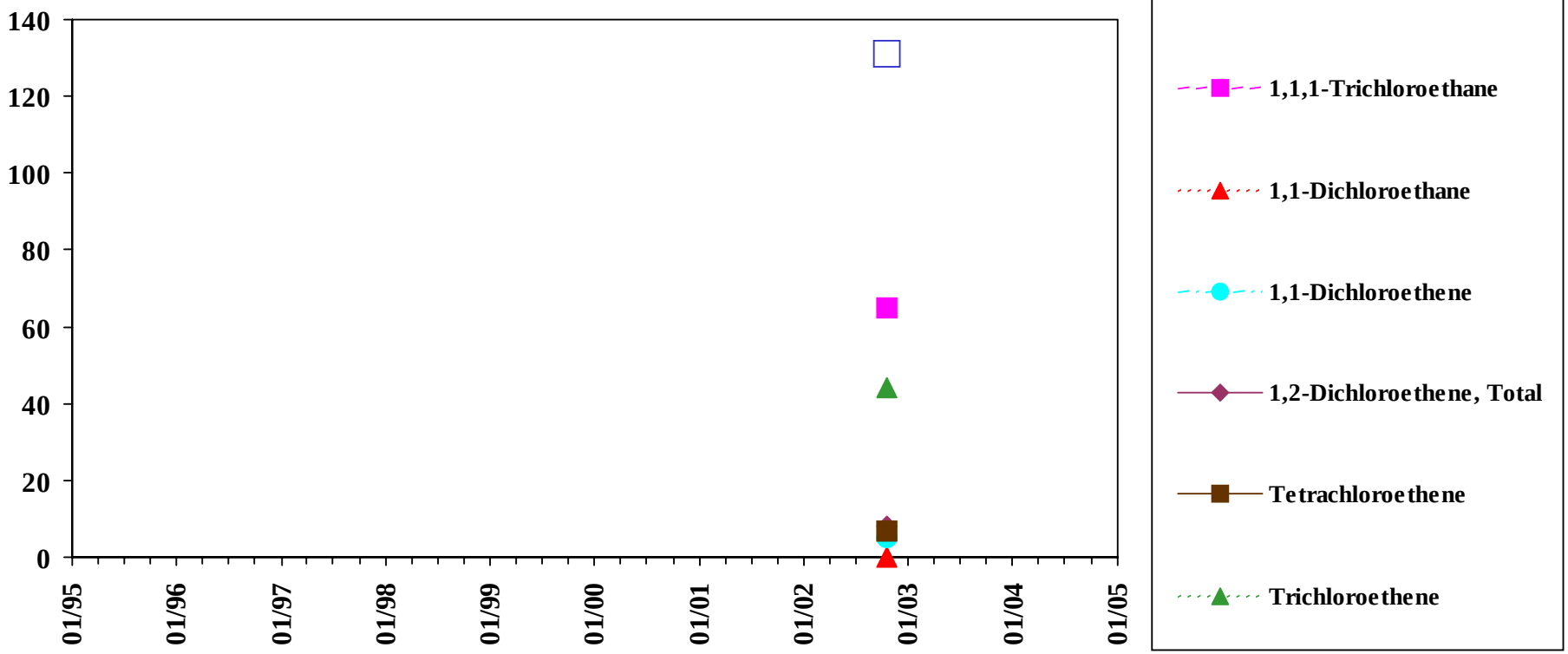
Sample Location:

MW-209

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

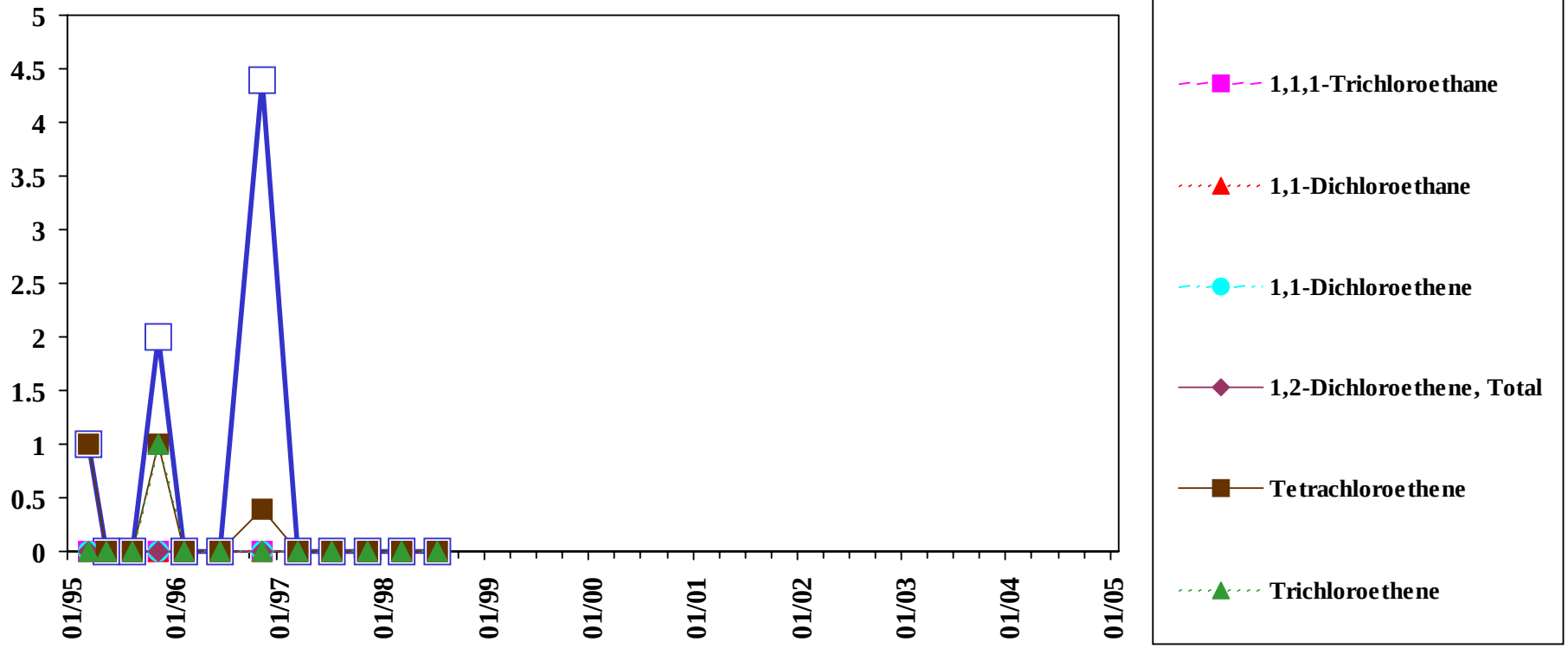
Sample Location:

MW-222

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

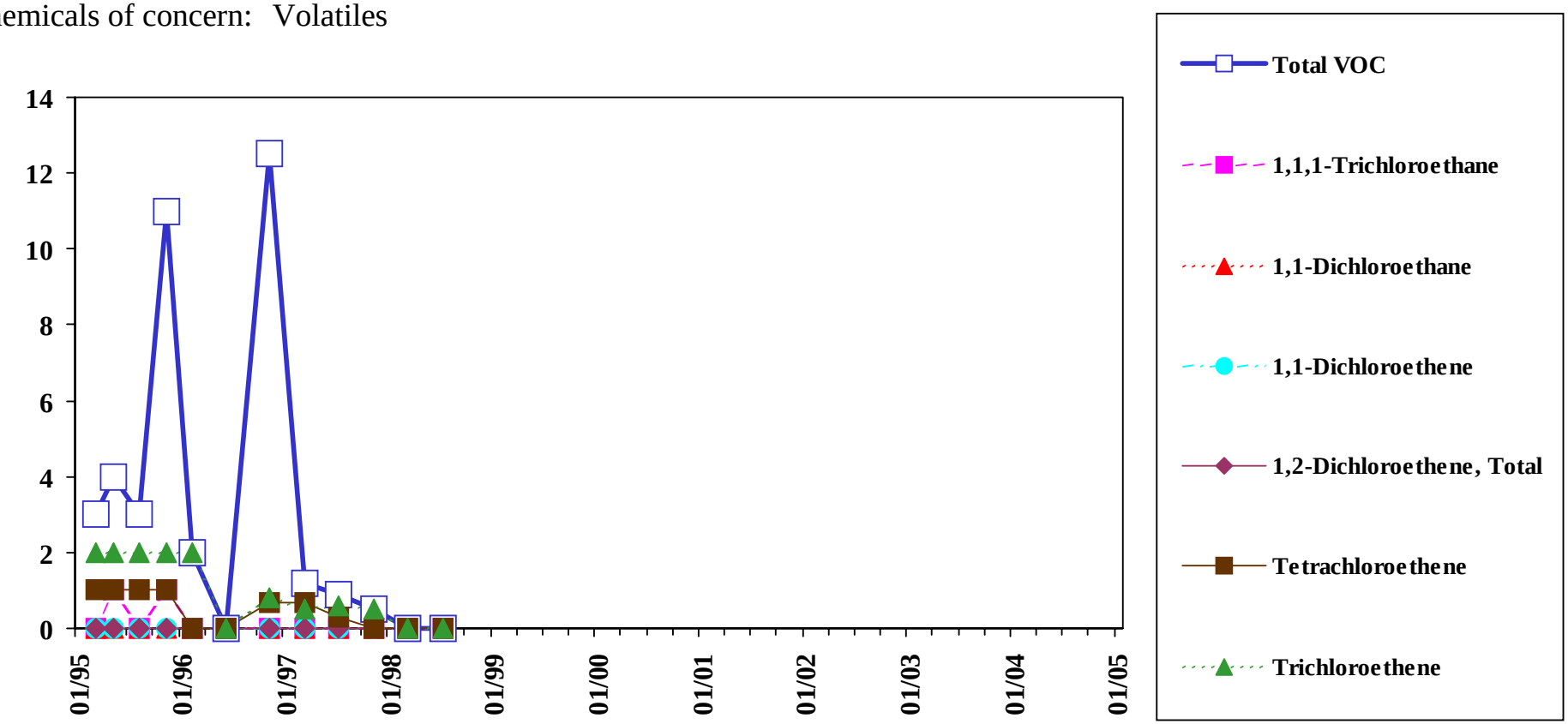
Sample Location:

MW-223

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

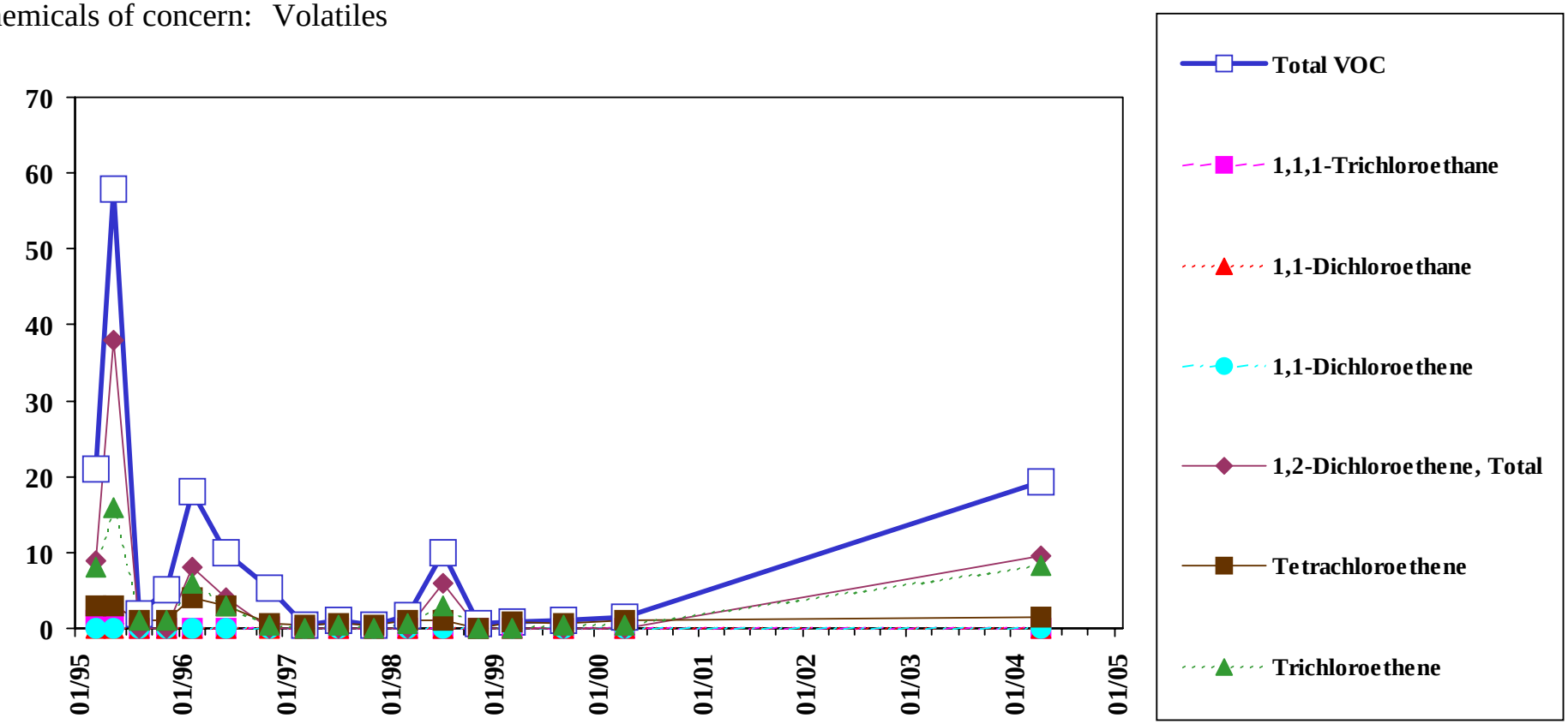
Sample Location:

MW-224

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

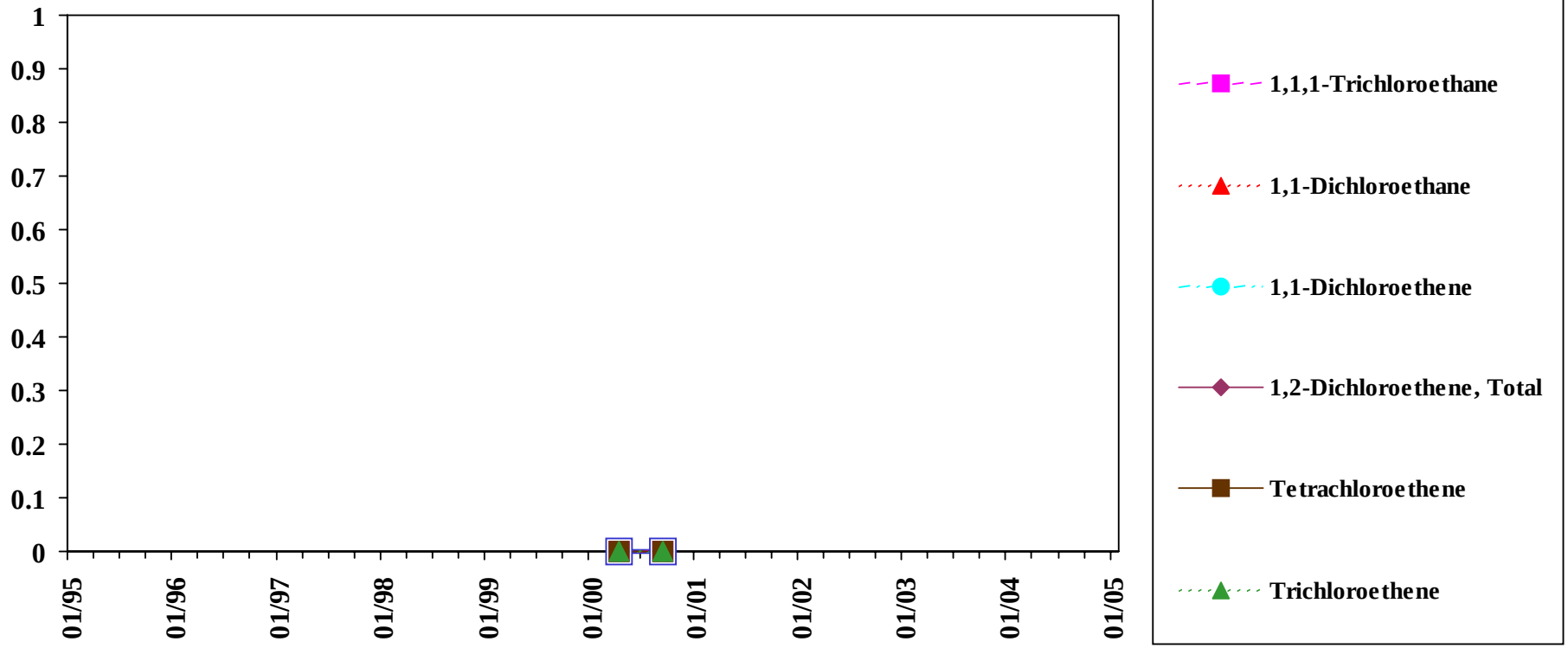
Sample Location:

MW-224

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

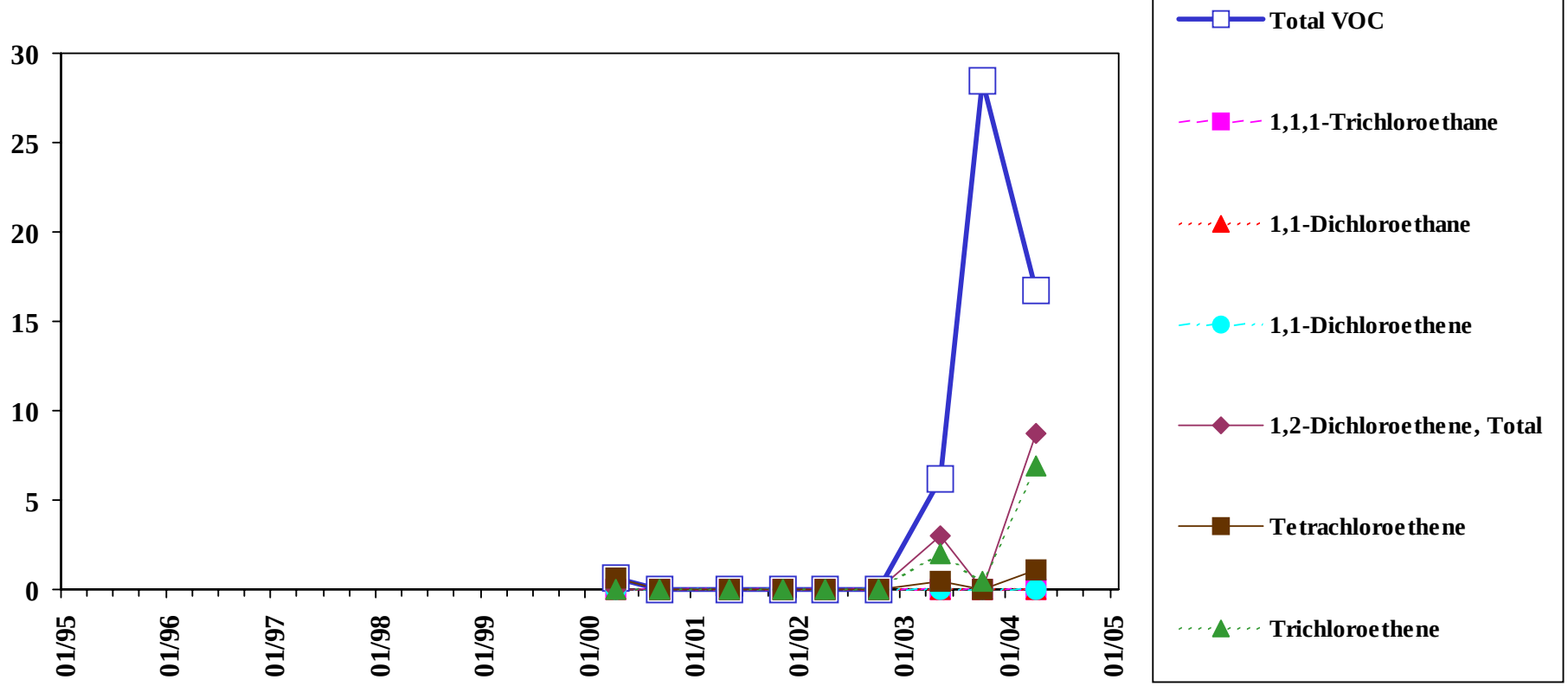
Sample Location:

MW-224

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

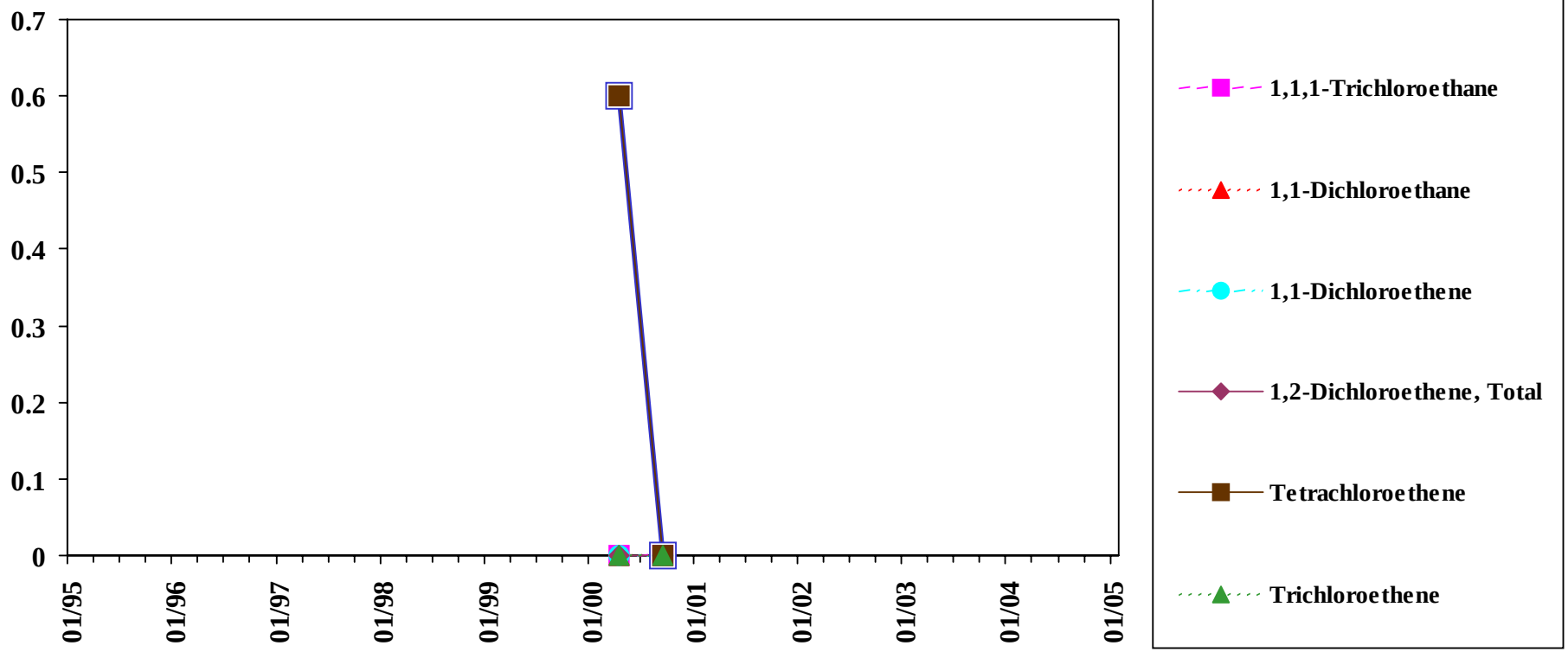
Sample Location:

MW-224

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

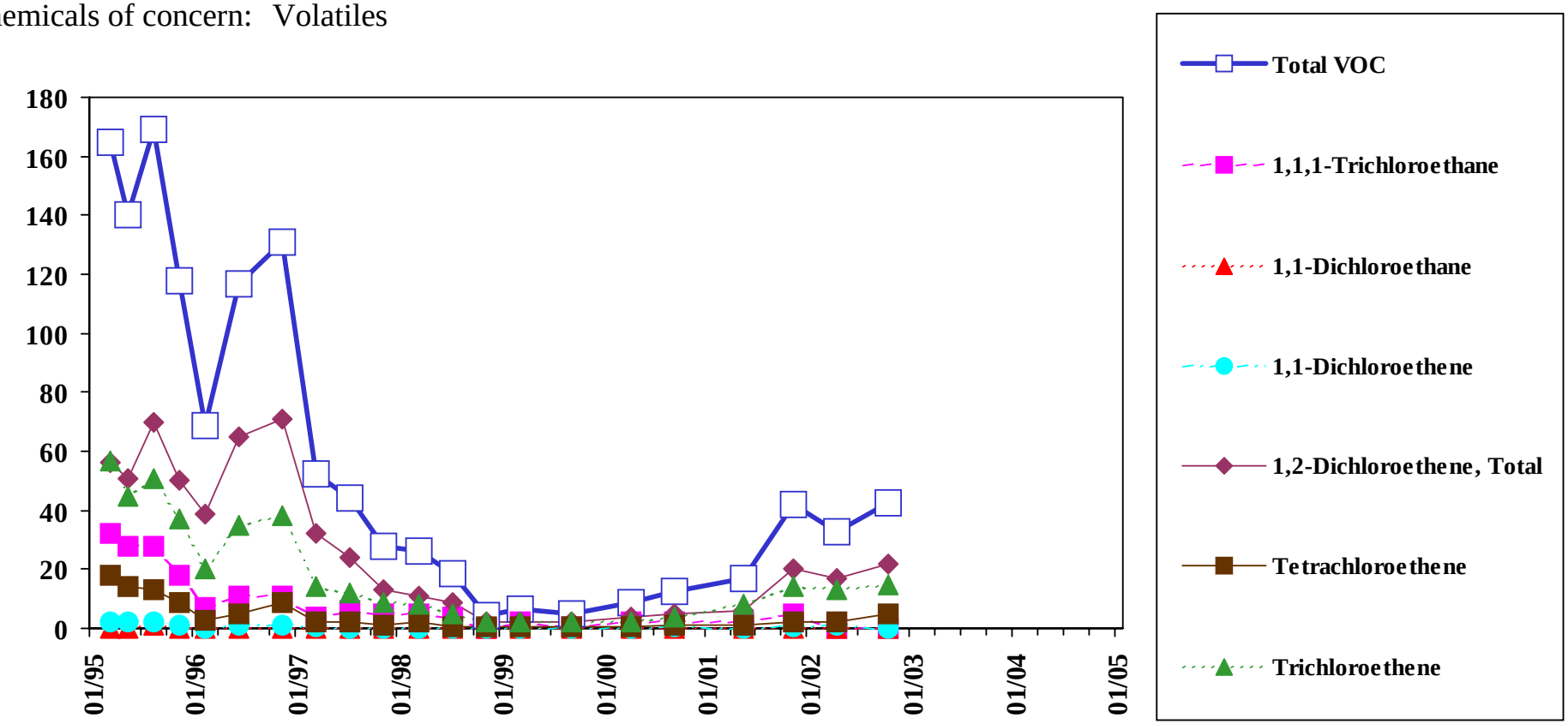
Sample Location:

MW-225A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

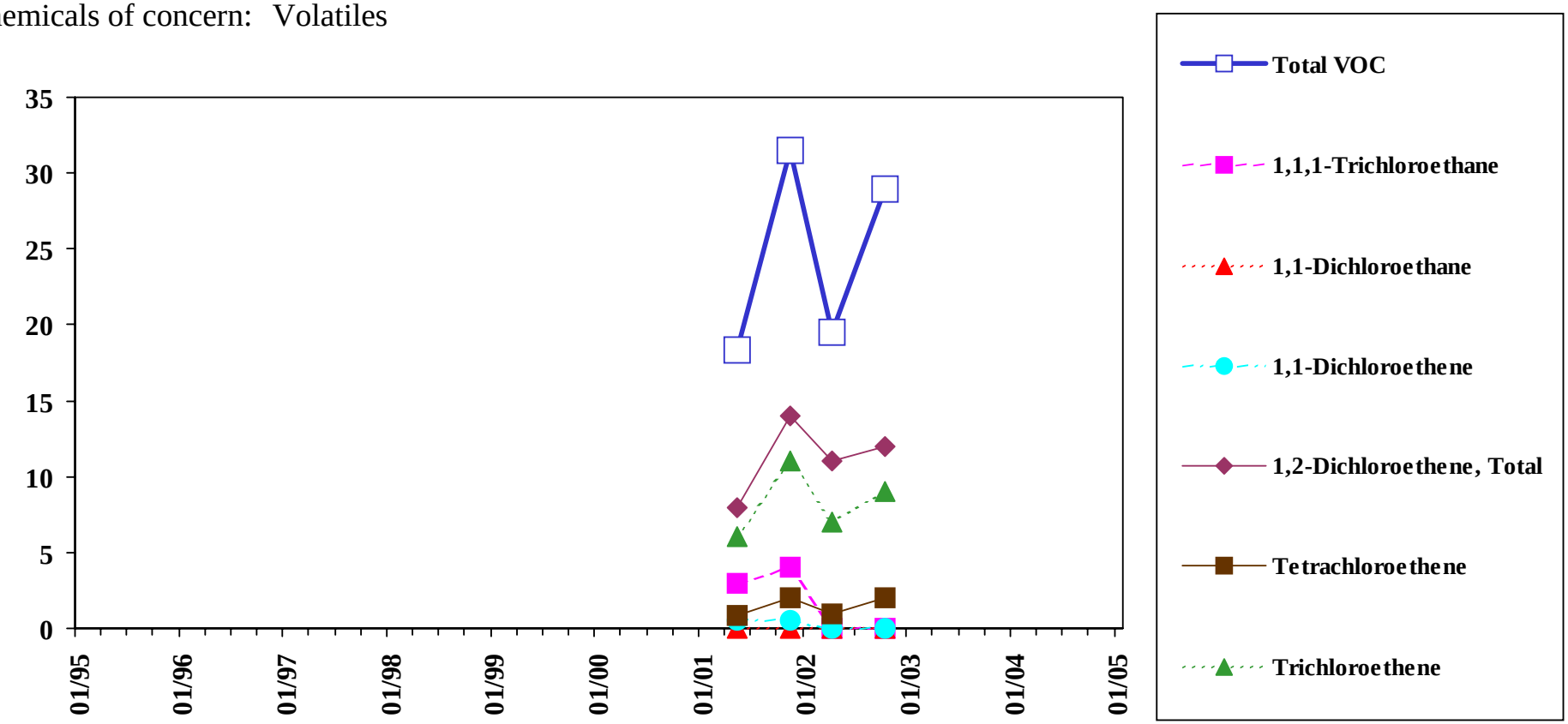
Sample Location:

MW-225A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

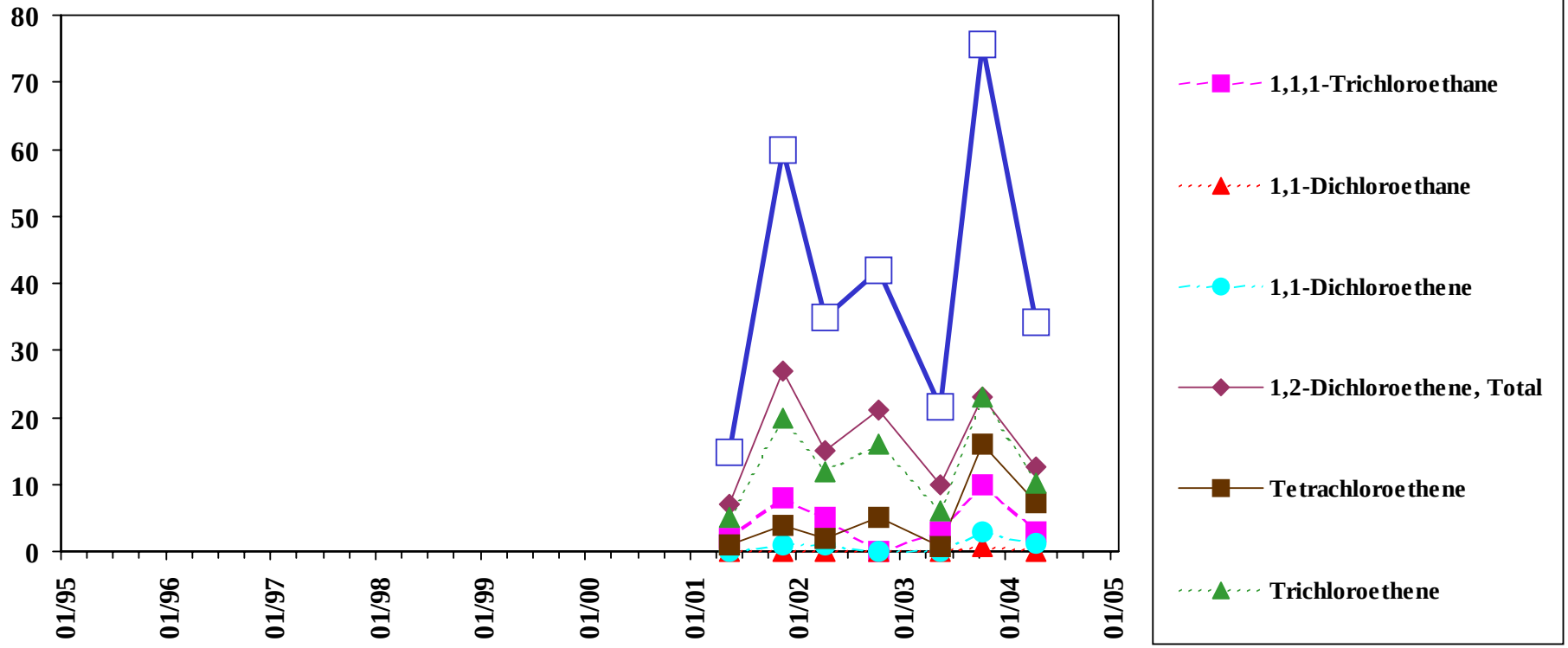
Sample Location:

MW-225A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

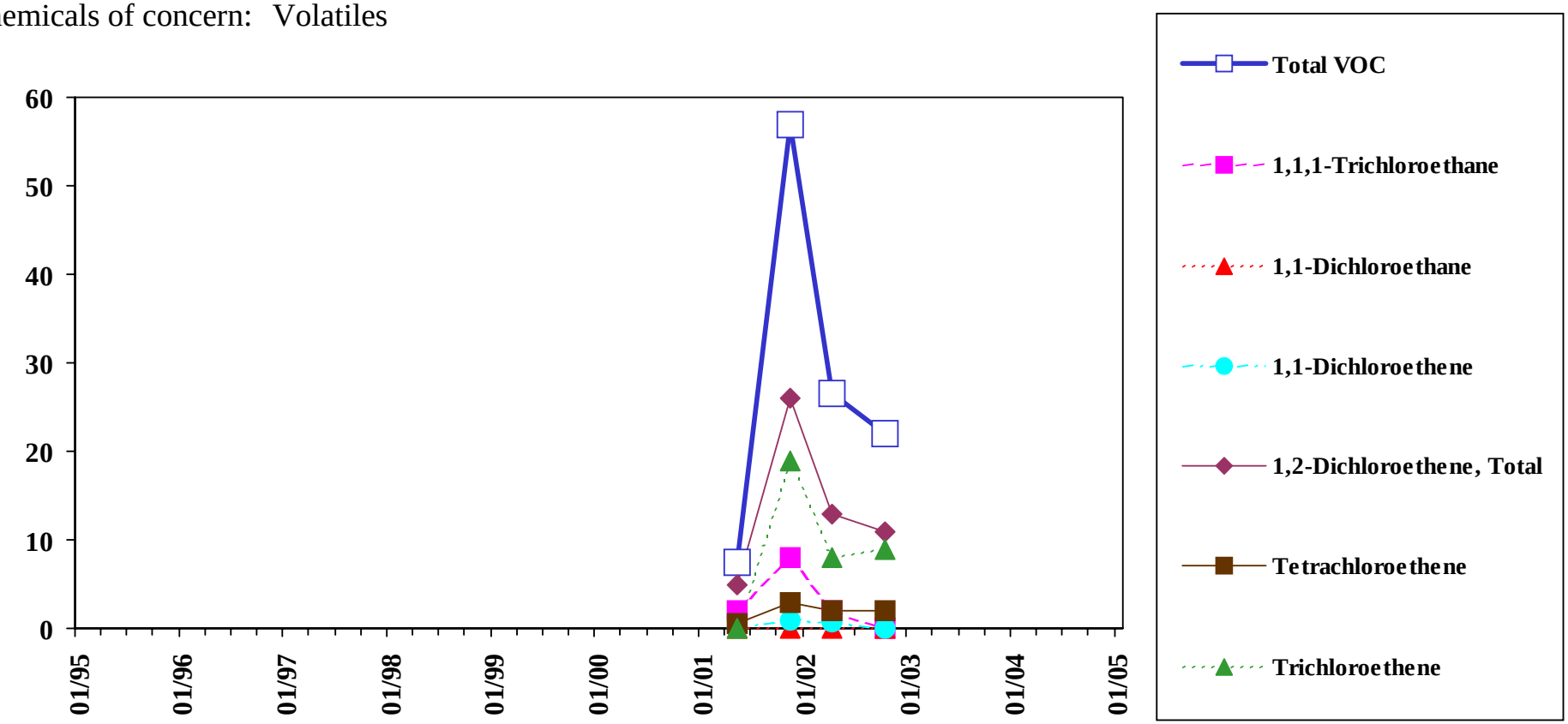
Sample Location:

MW-225A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

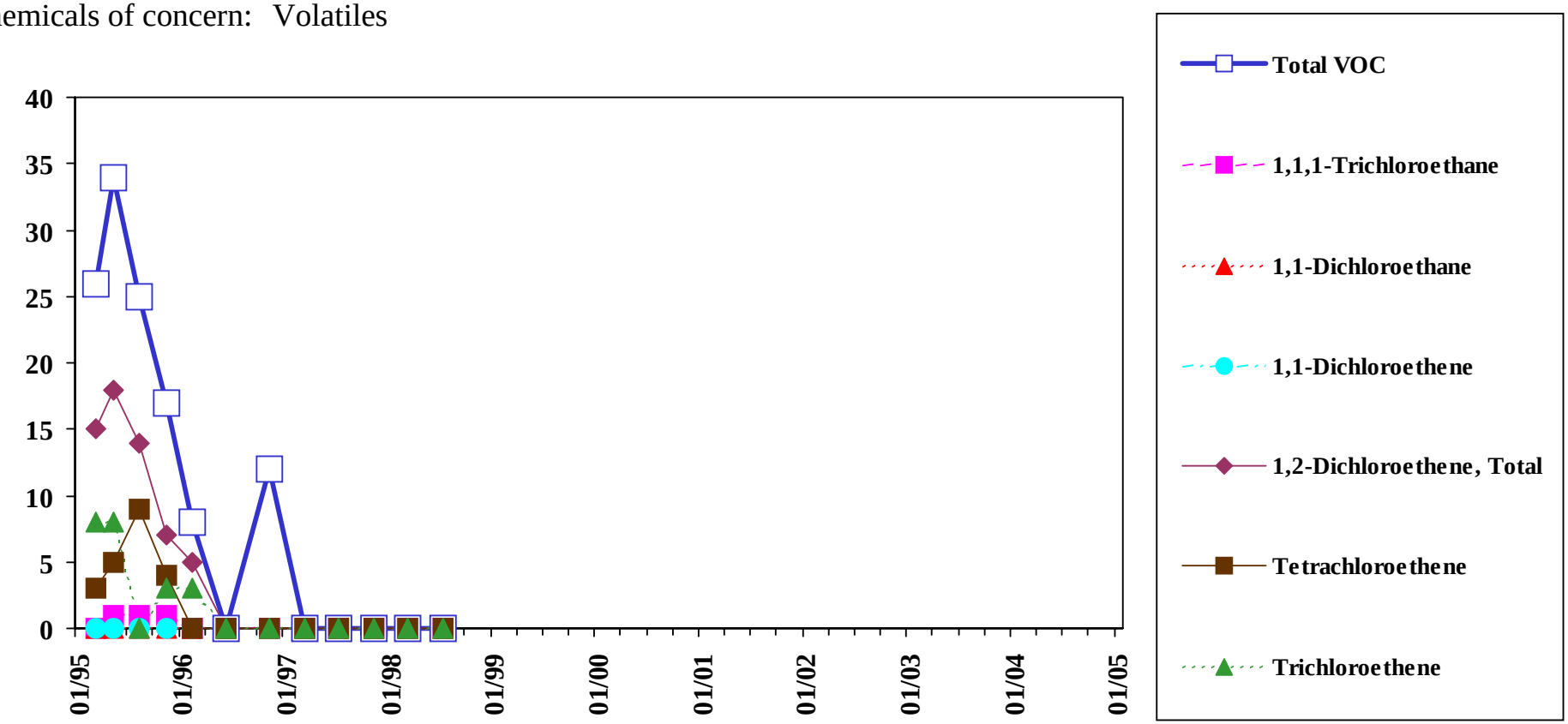
Sample Location:

MW-225B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

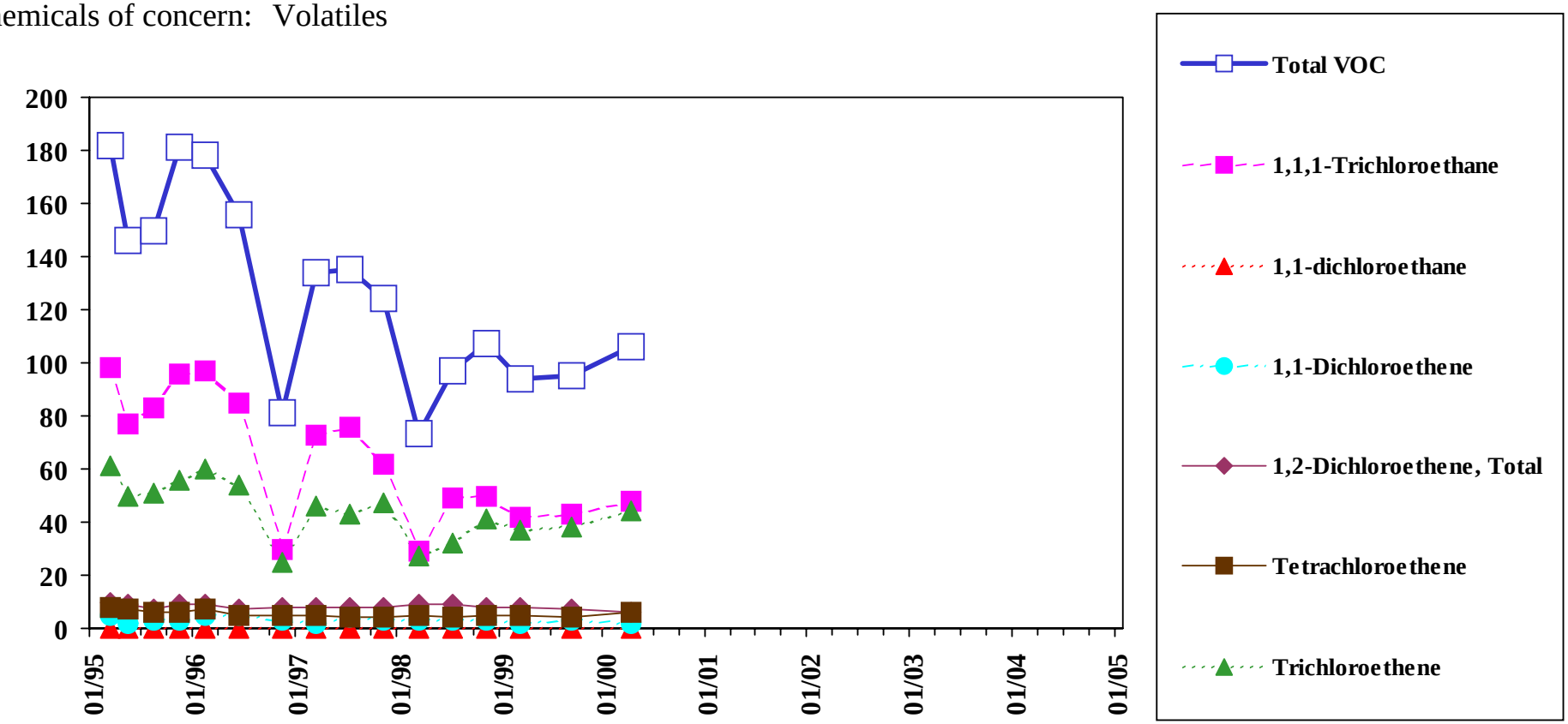
Sample Location:

MW-229A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

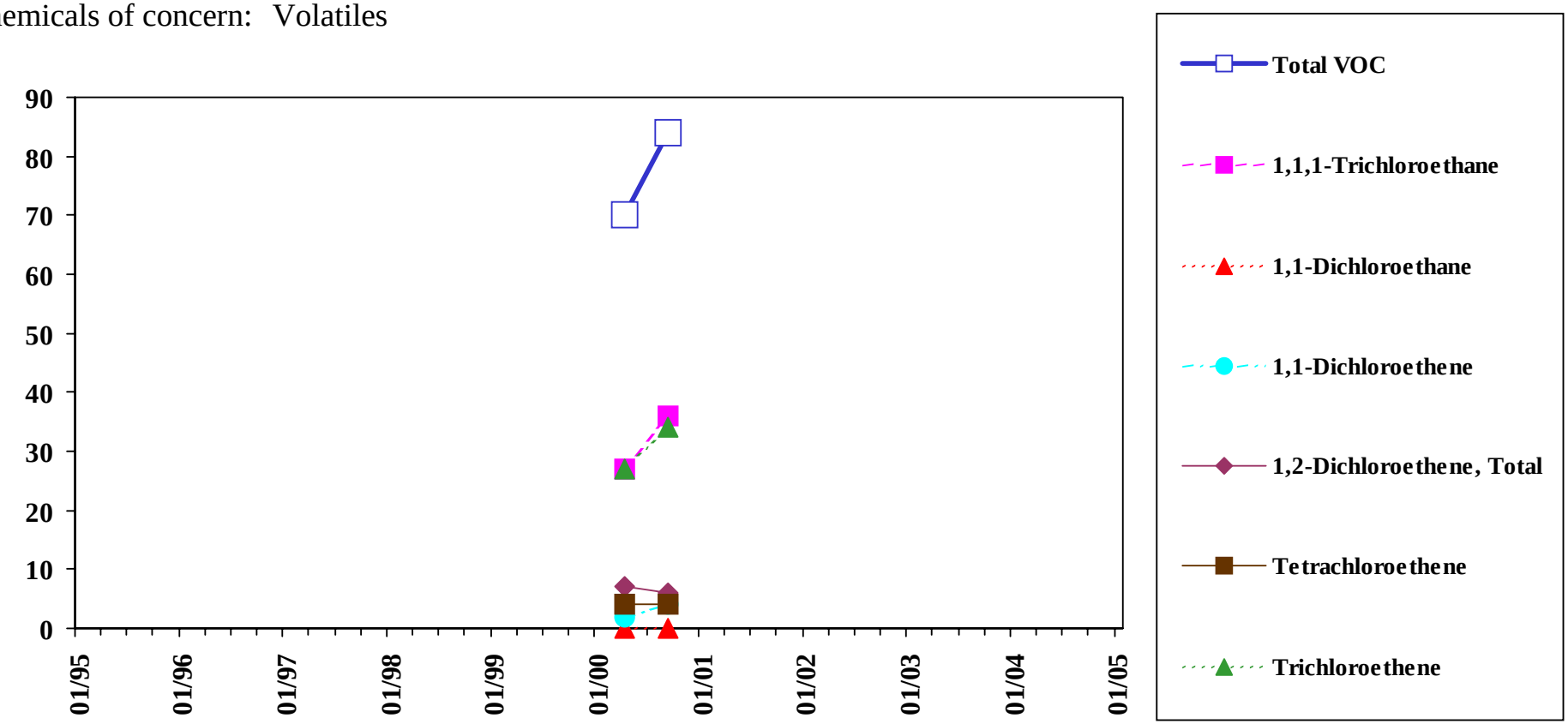
Sample Location:

MW-229A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

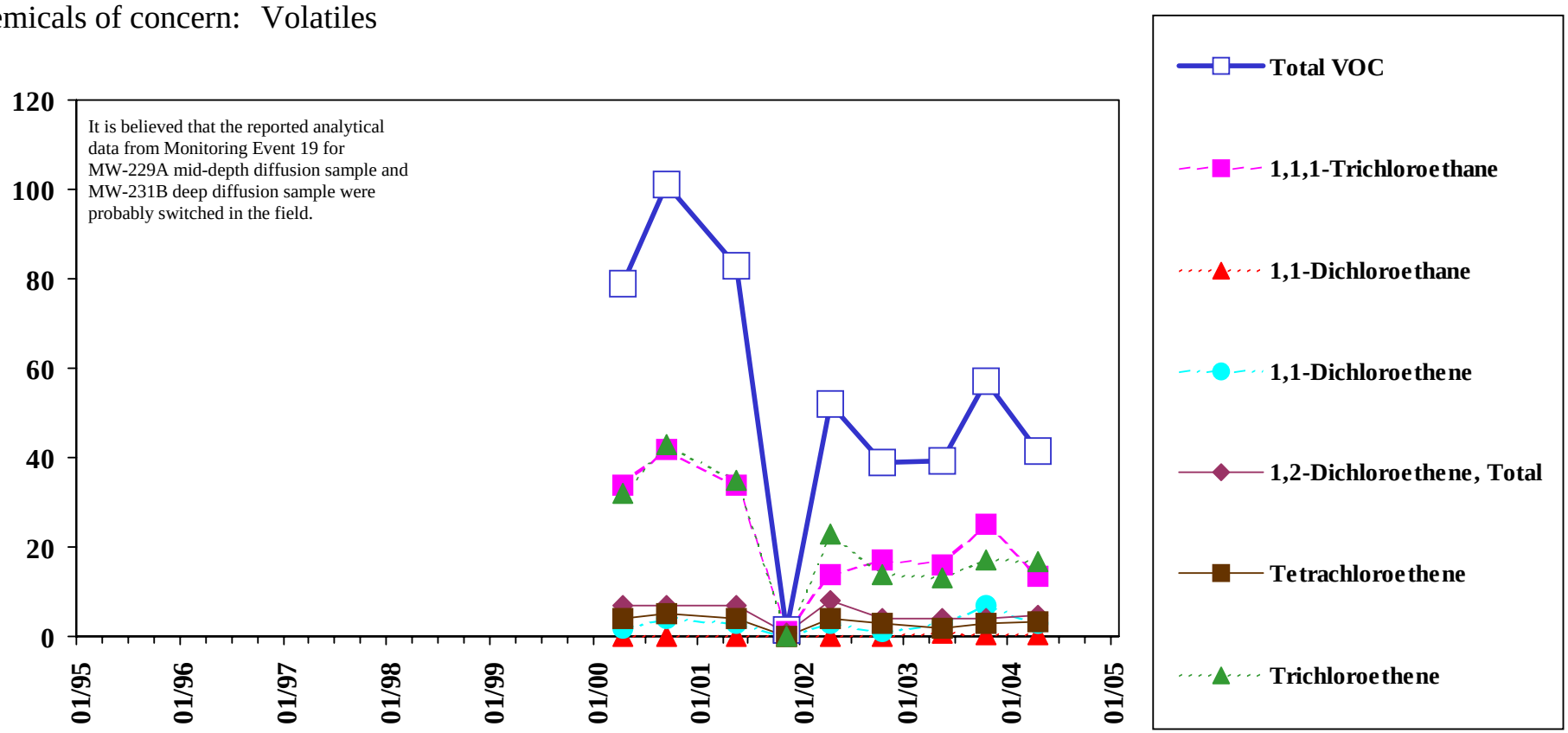
Sample Location:

MW-229A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

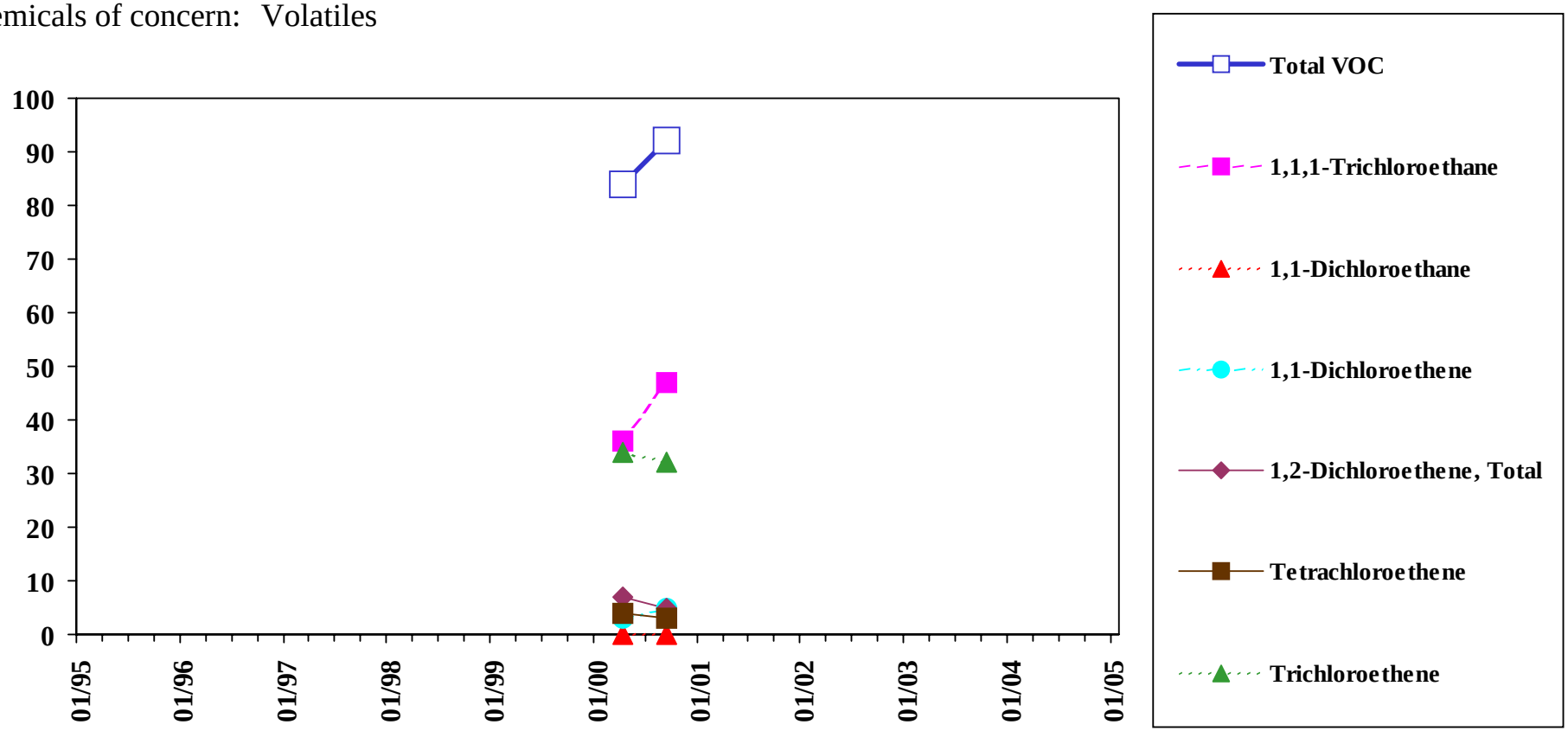
Sample Location:

MW-229A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

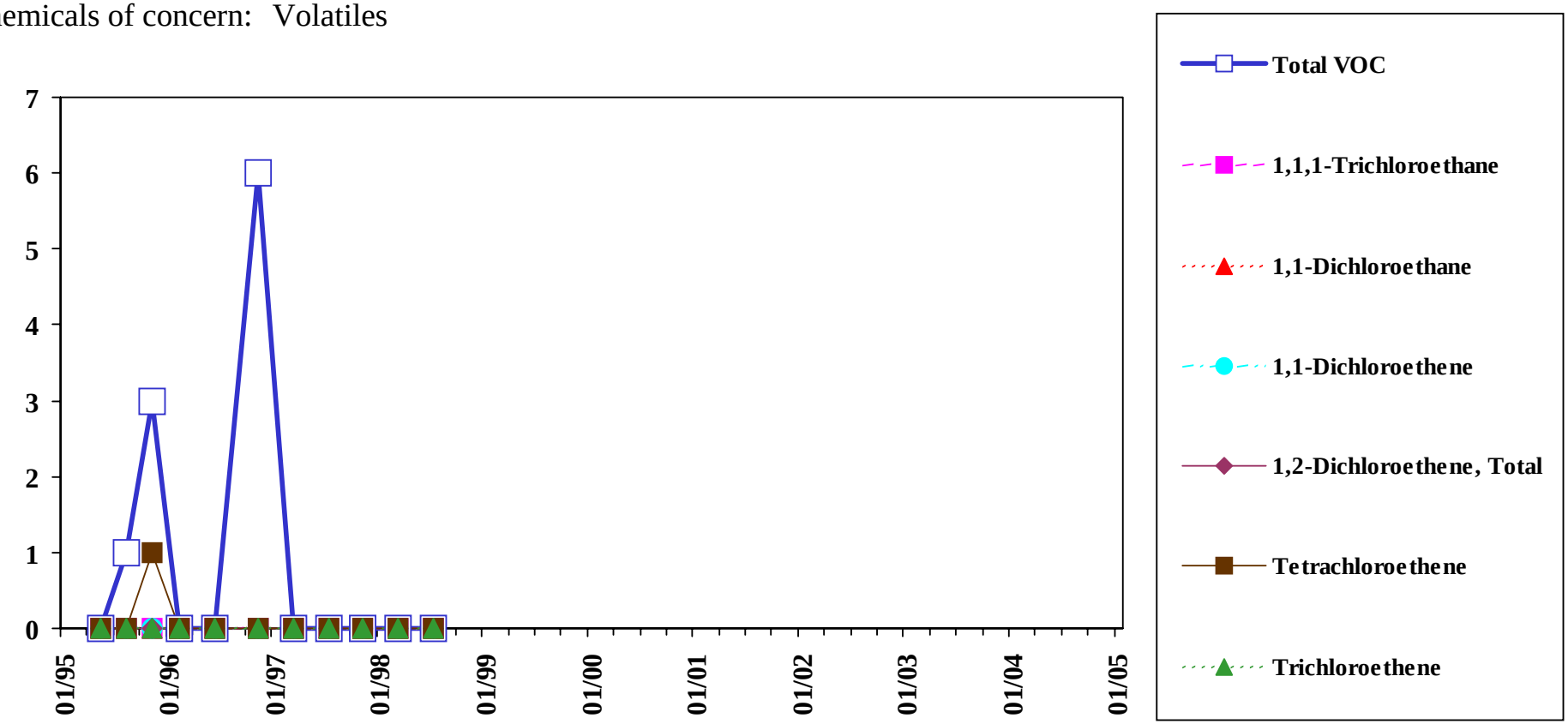
Sample Location:

MW-229B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

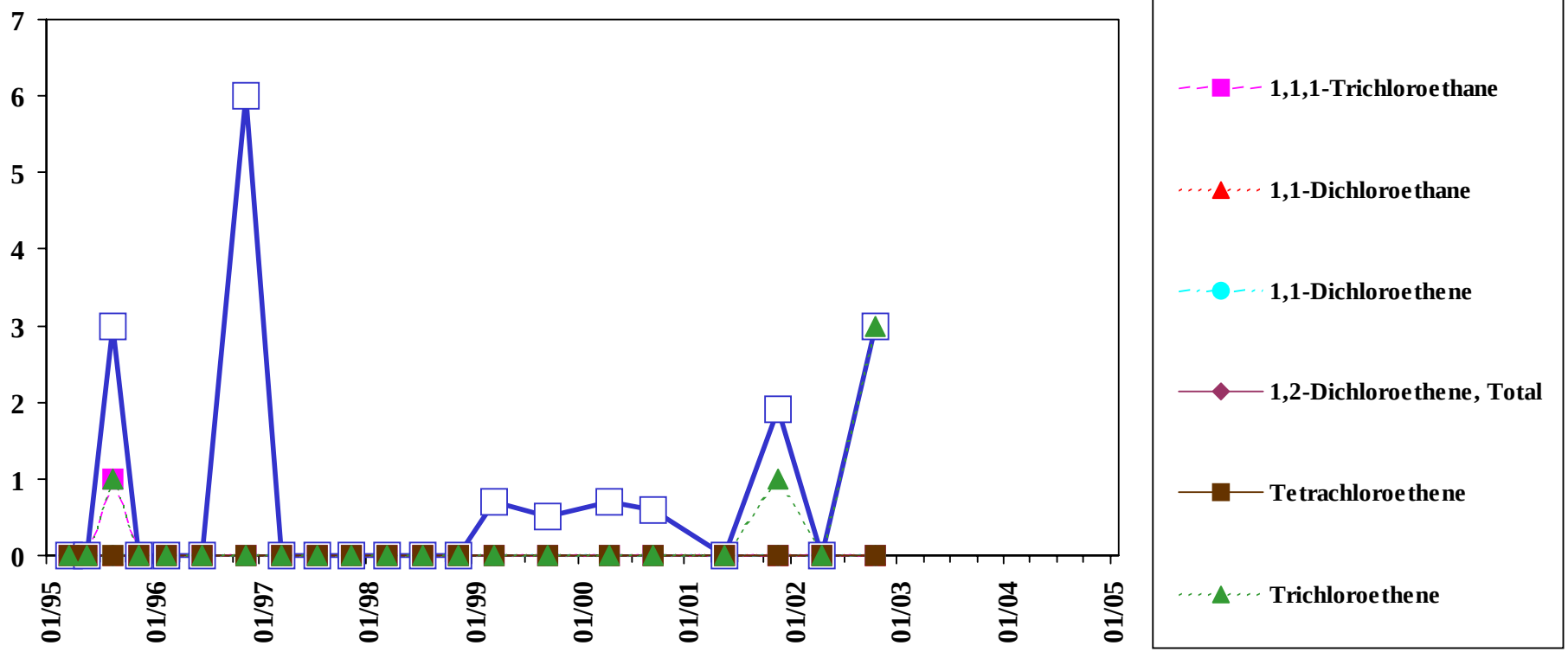
Sample Location:

MW-230A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

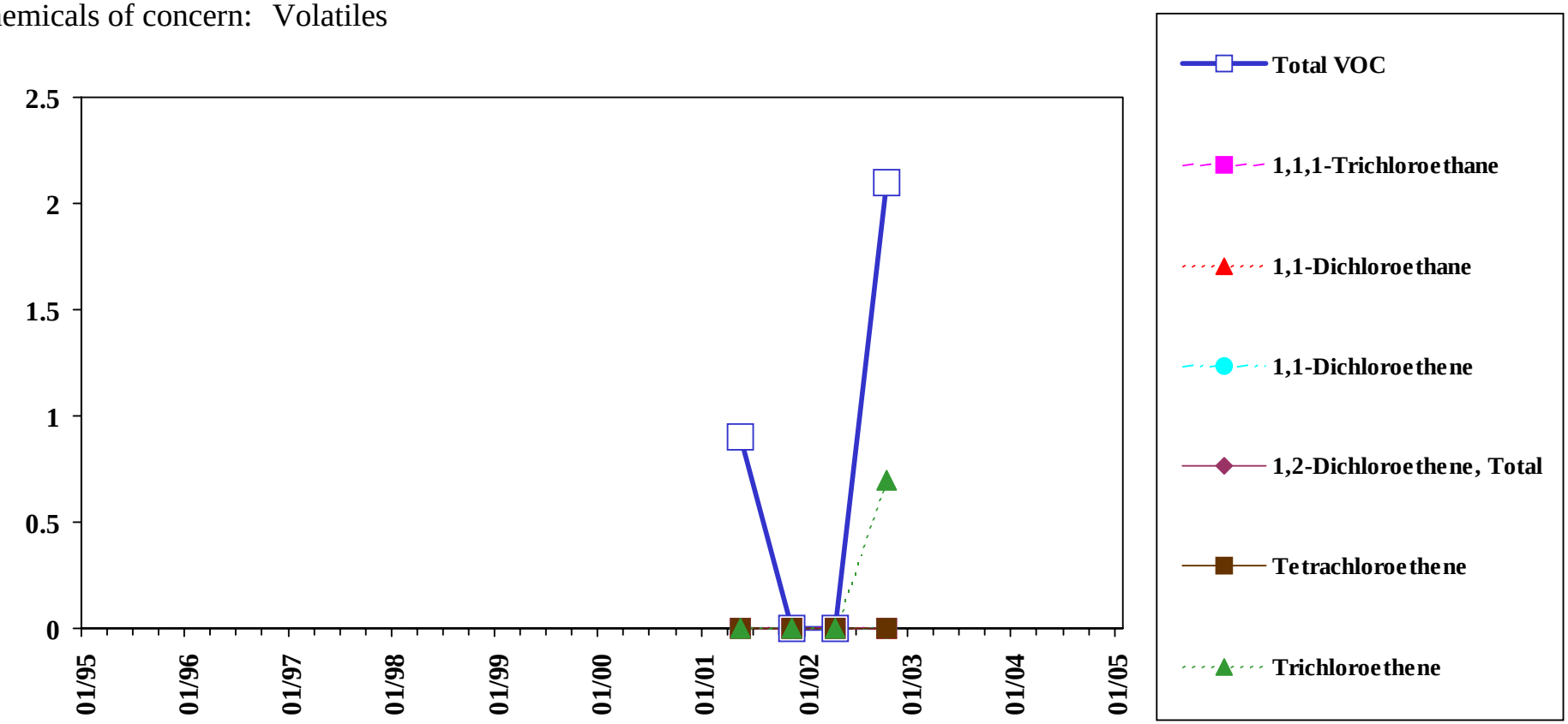
Sample Location:

MW-230A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

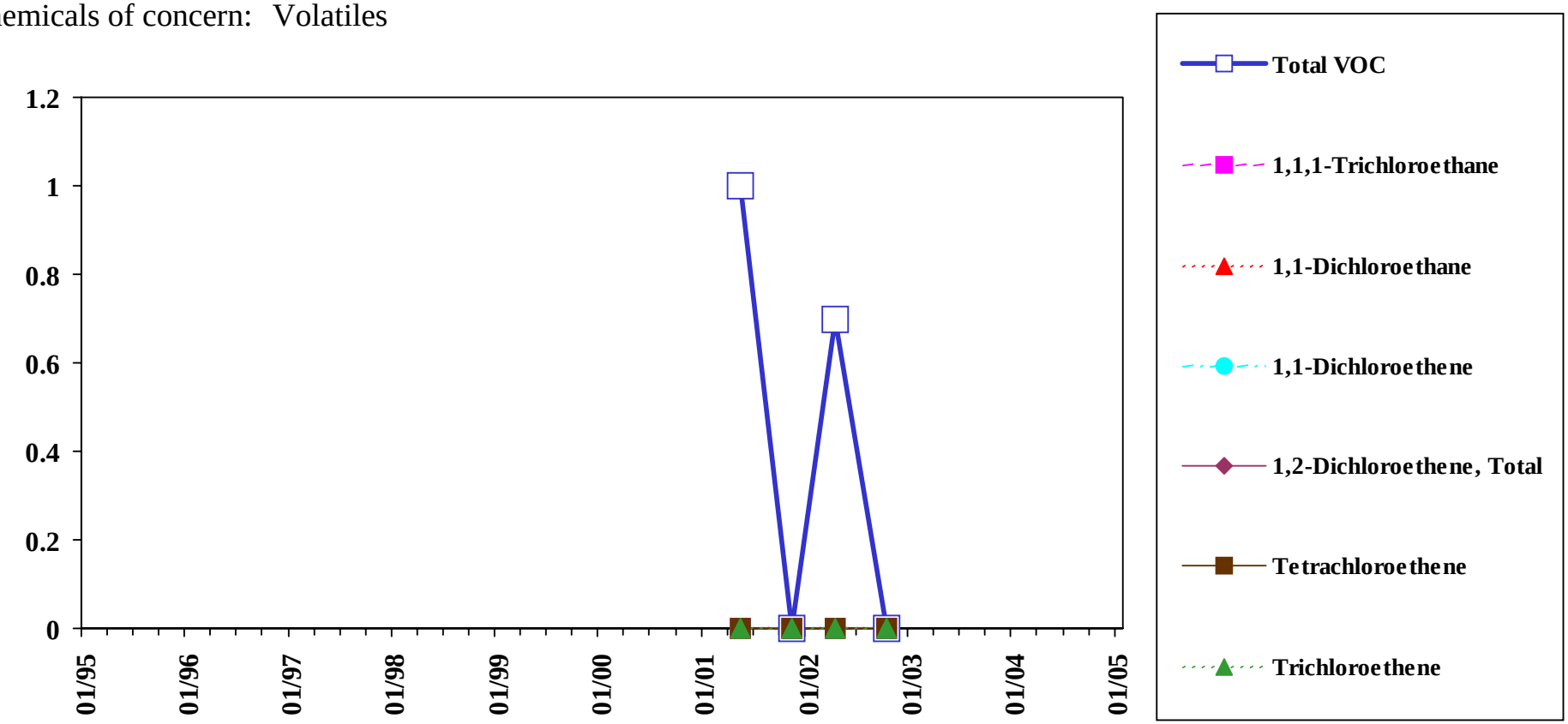
Sample Location:

MW-230A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

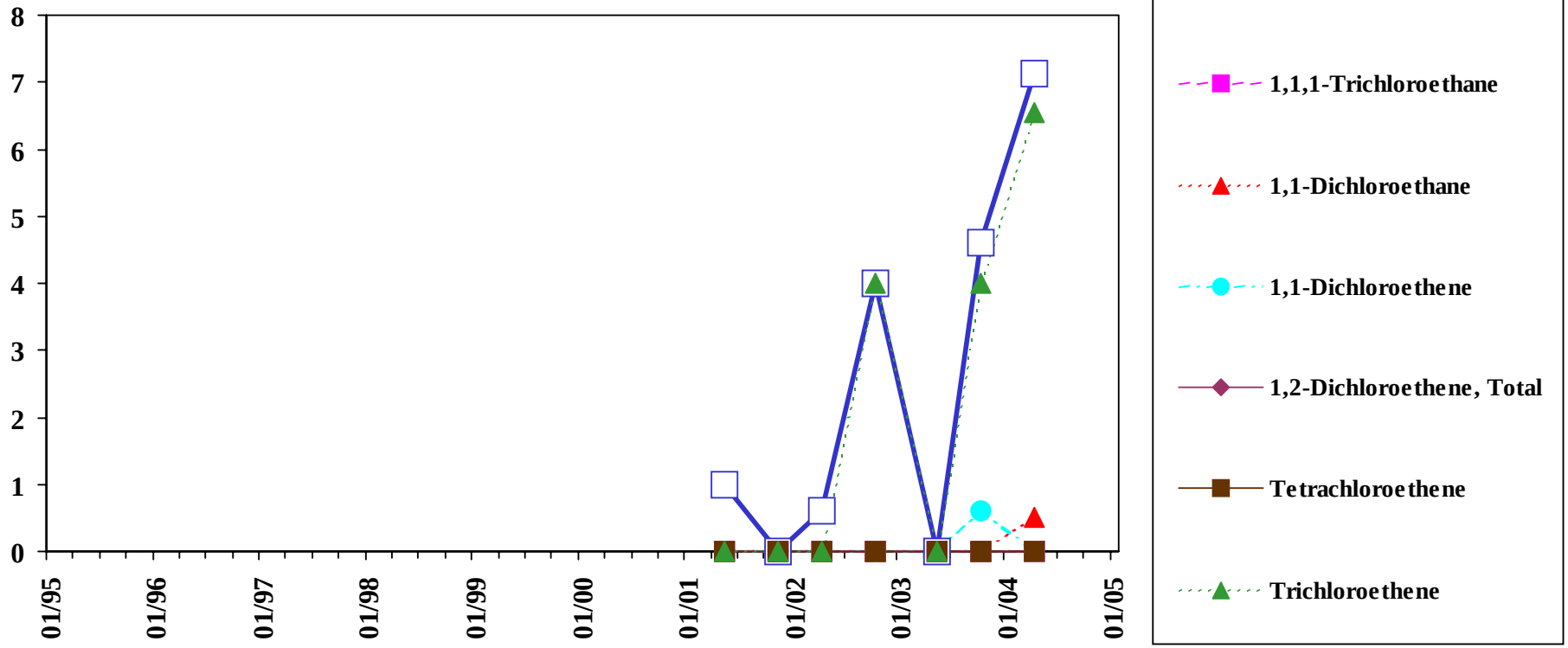
Sample Location:

MW-230A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

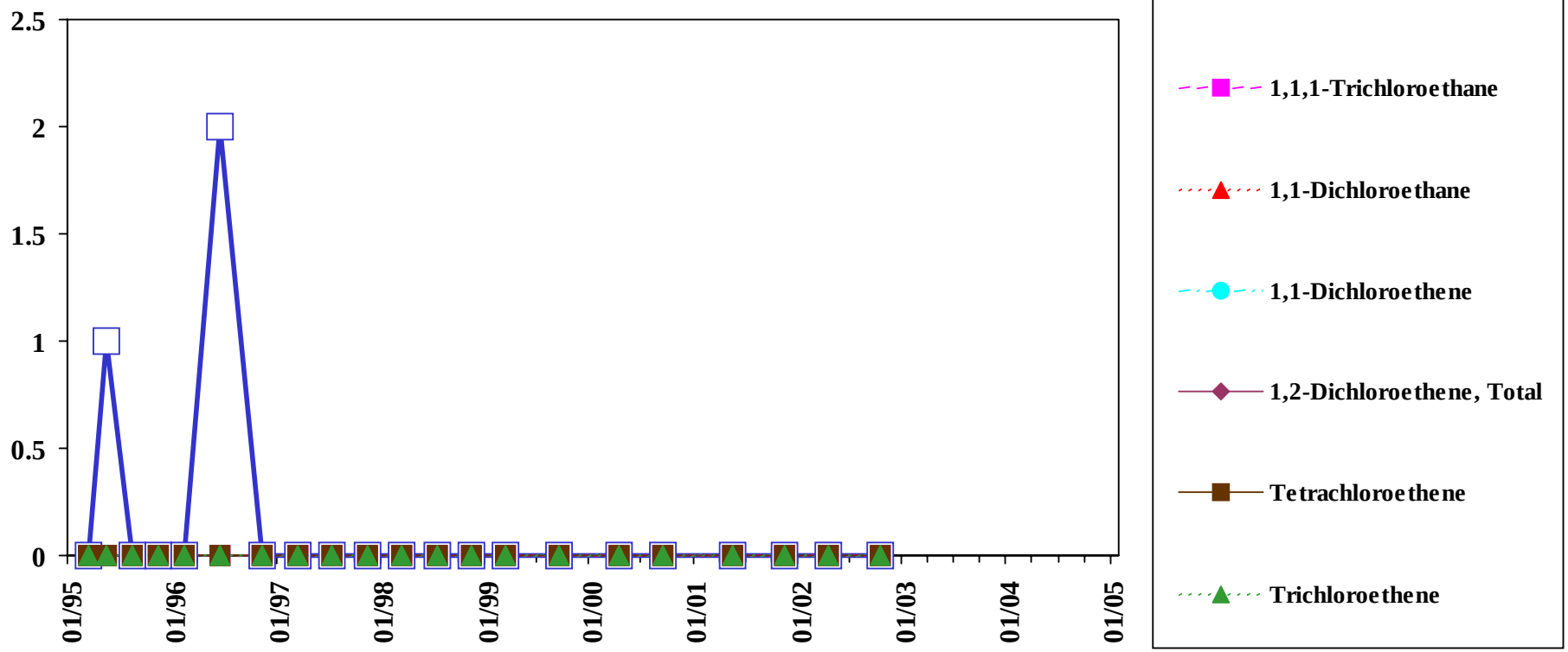
Sample Location:

MW-231A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

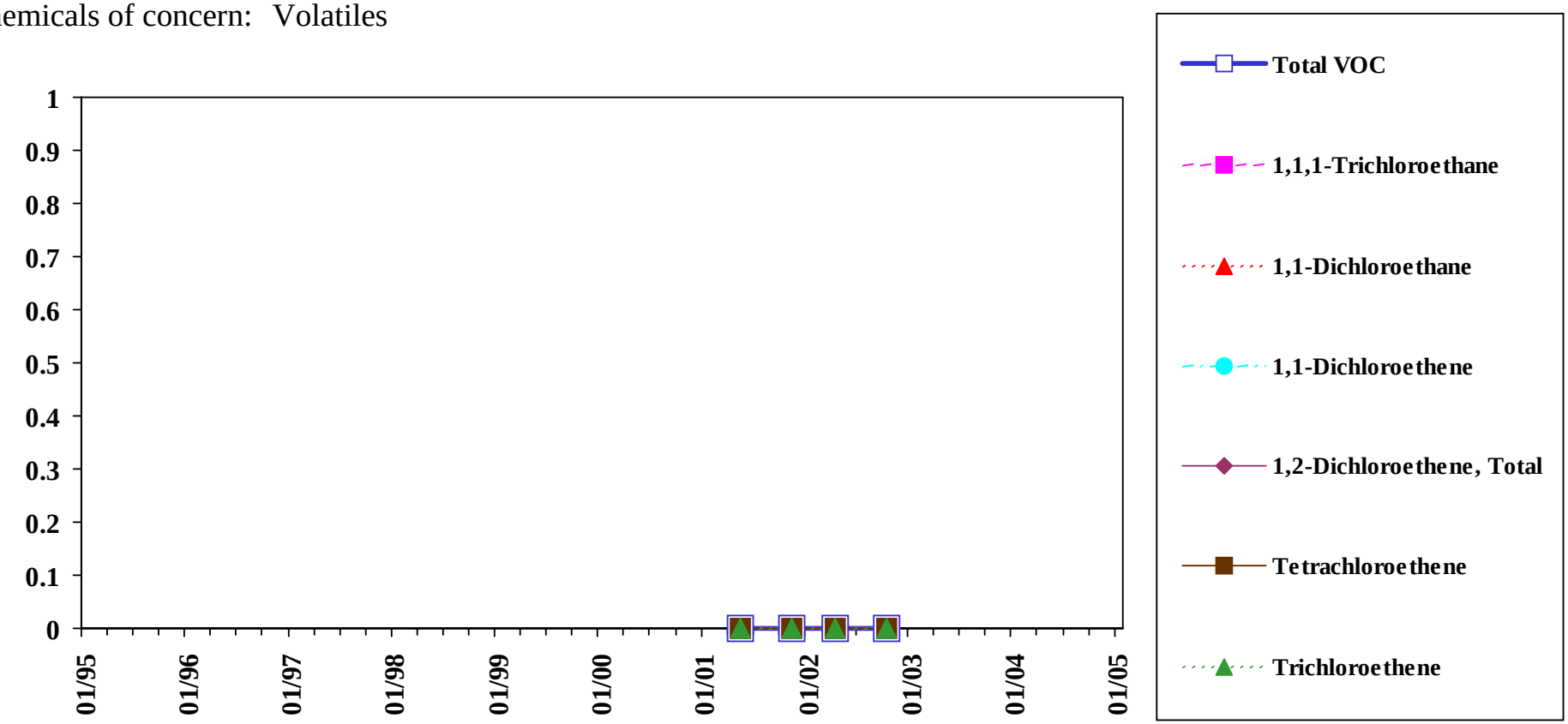
Sample Location:

MW-231A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

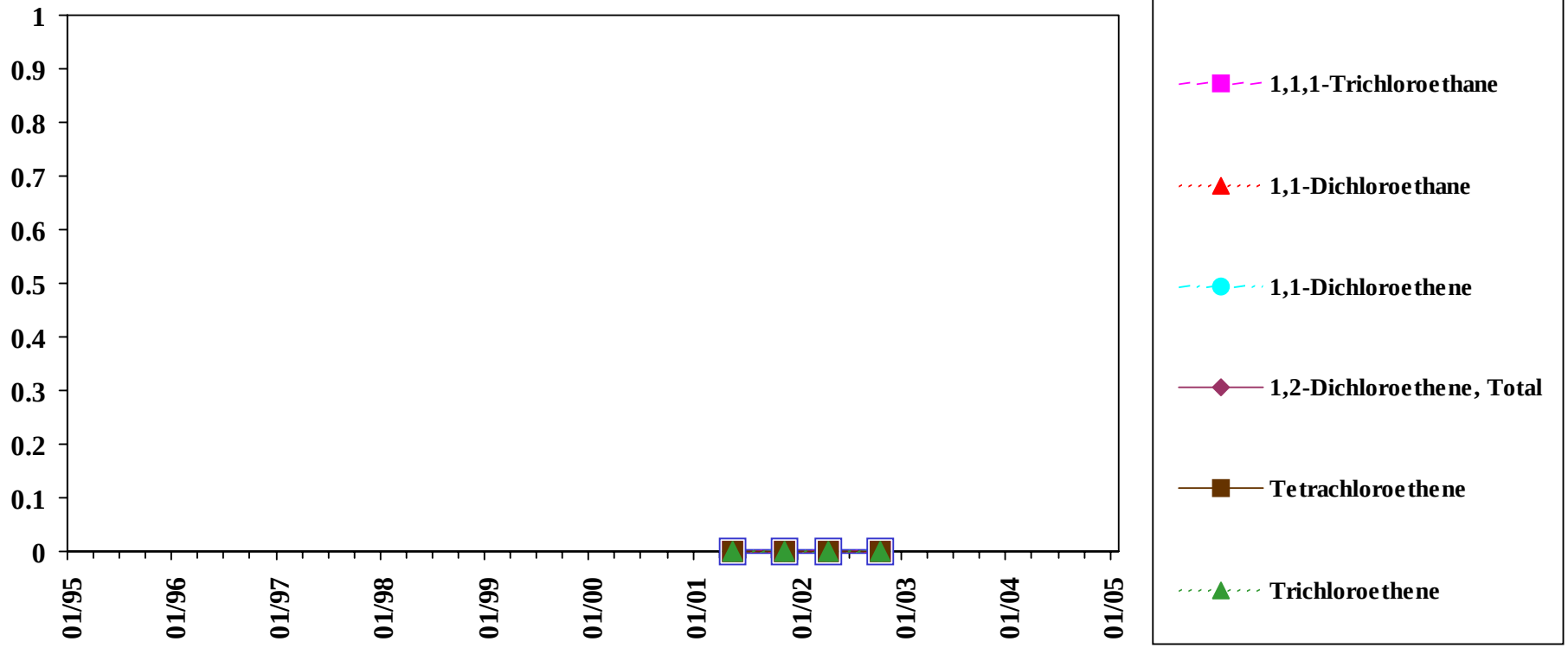
Sample Location:

MW-231A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

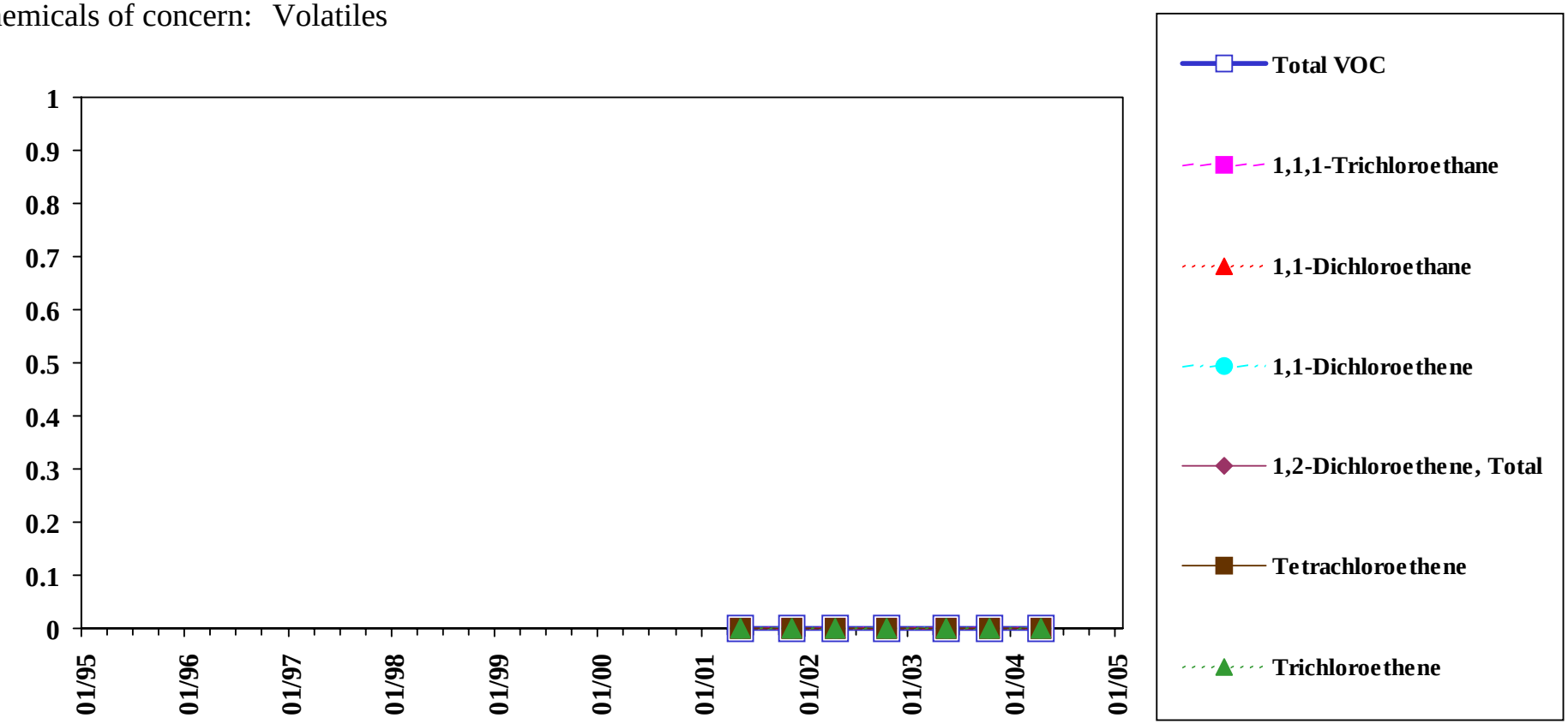
Sample Location:

MW-231A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

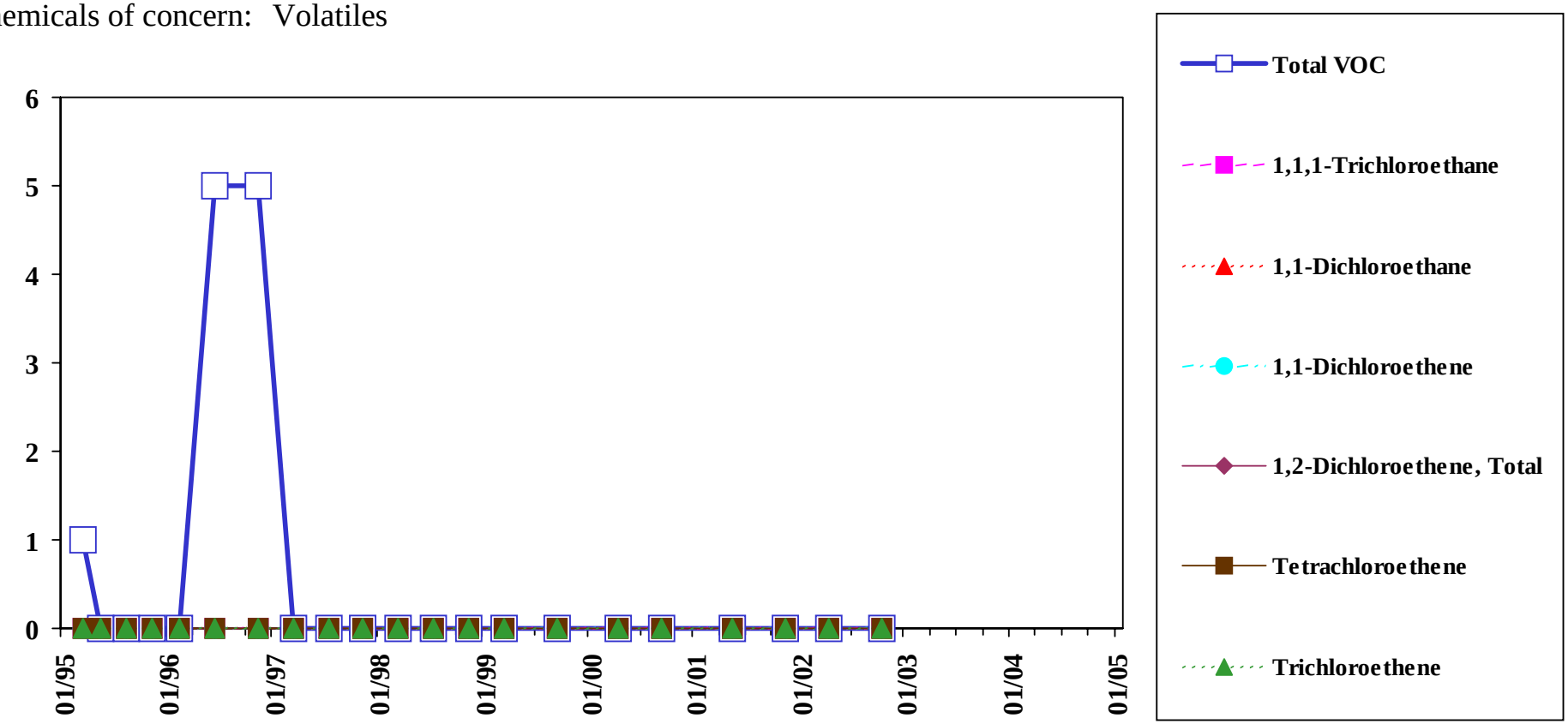
Sample Location:

MW-231B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

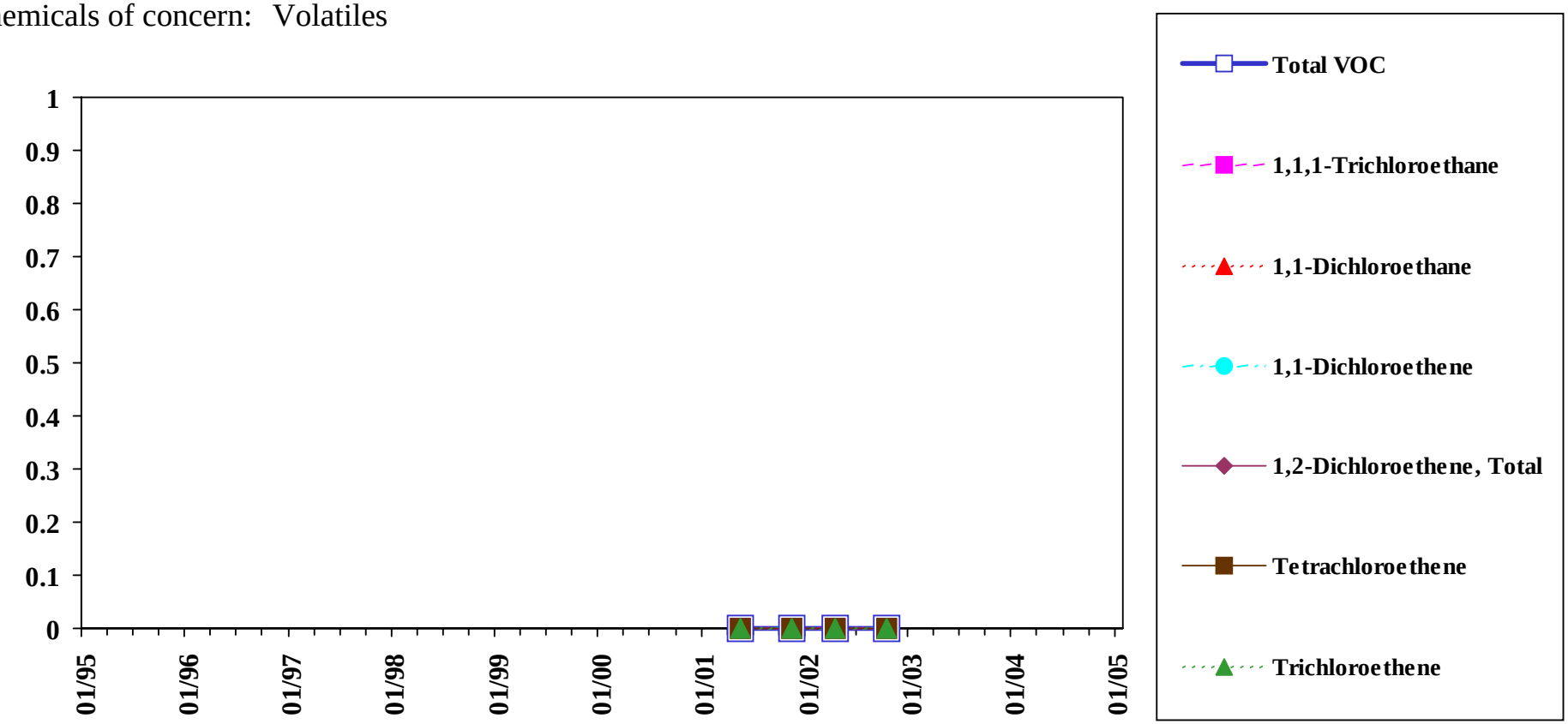
Sample Location:

MW-231B

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

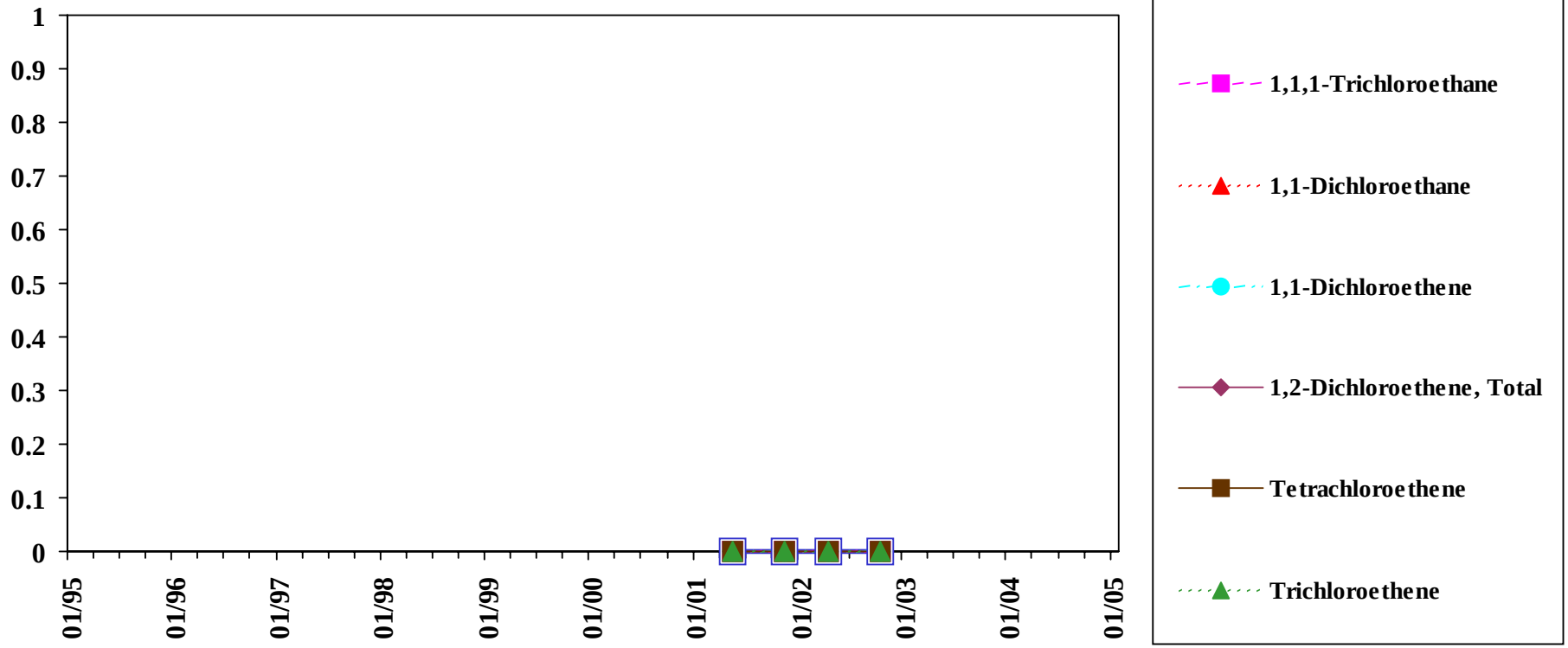
Sample Location:

MW-231B

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

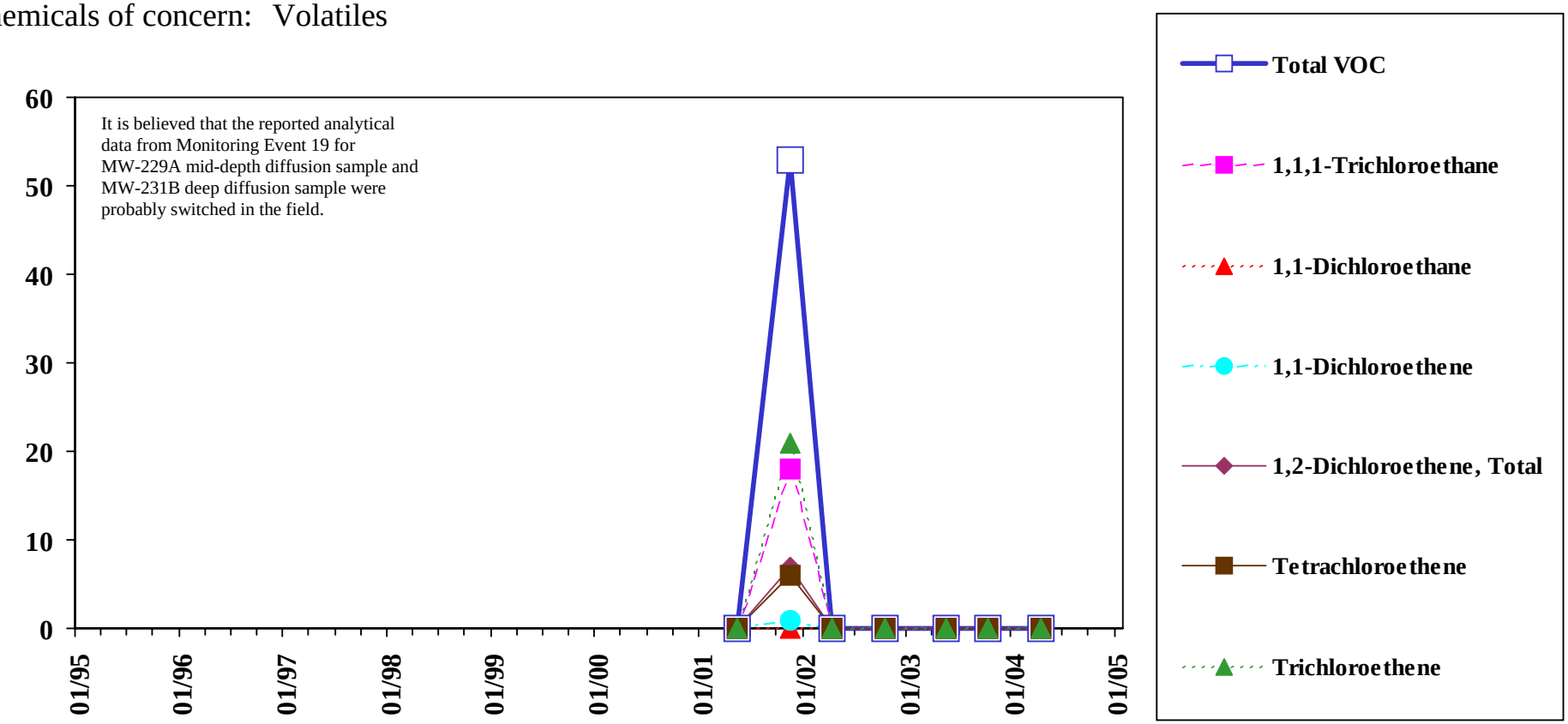
Sample Location:

MW-231B

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

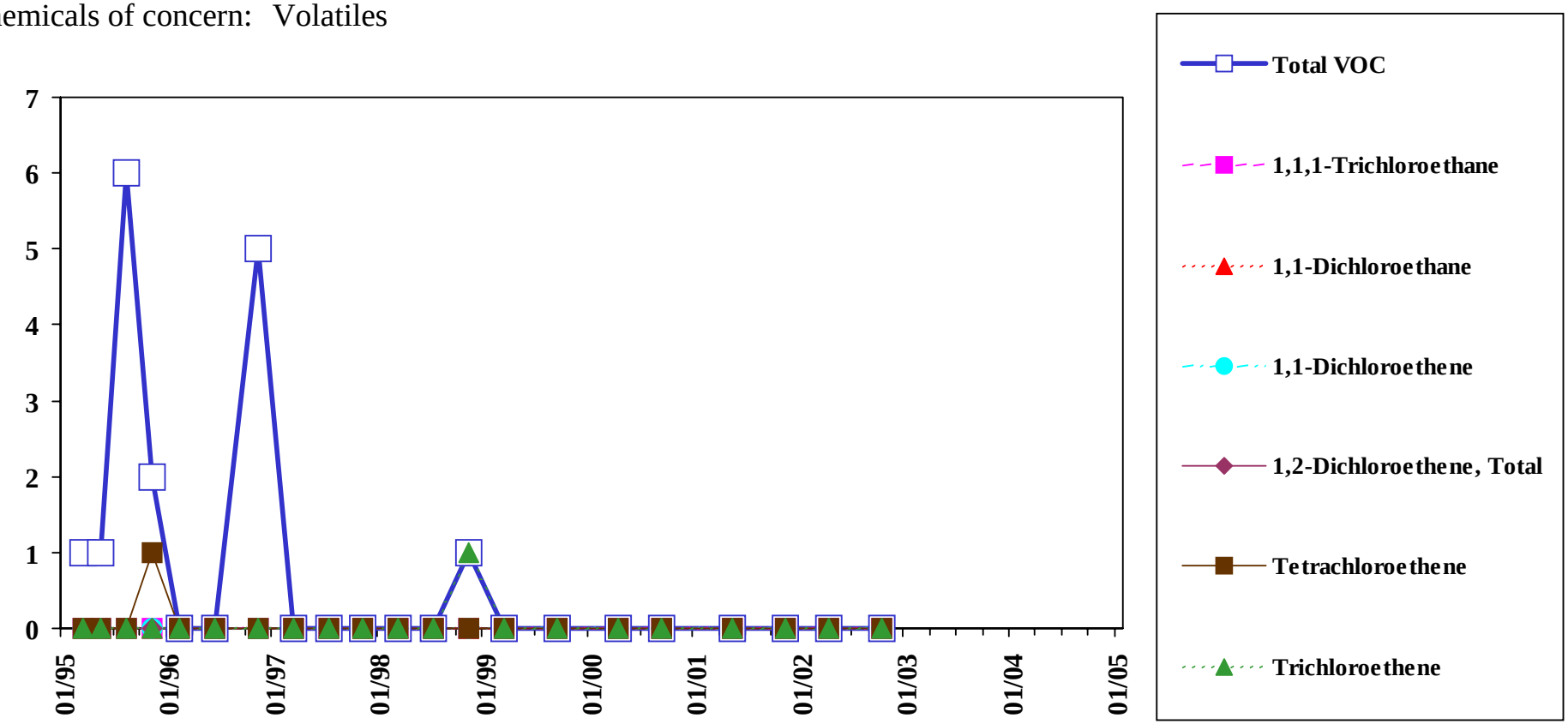
Sample Location:

MW-303

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

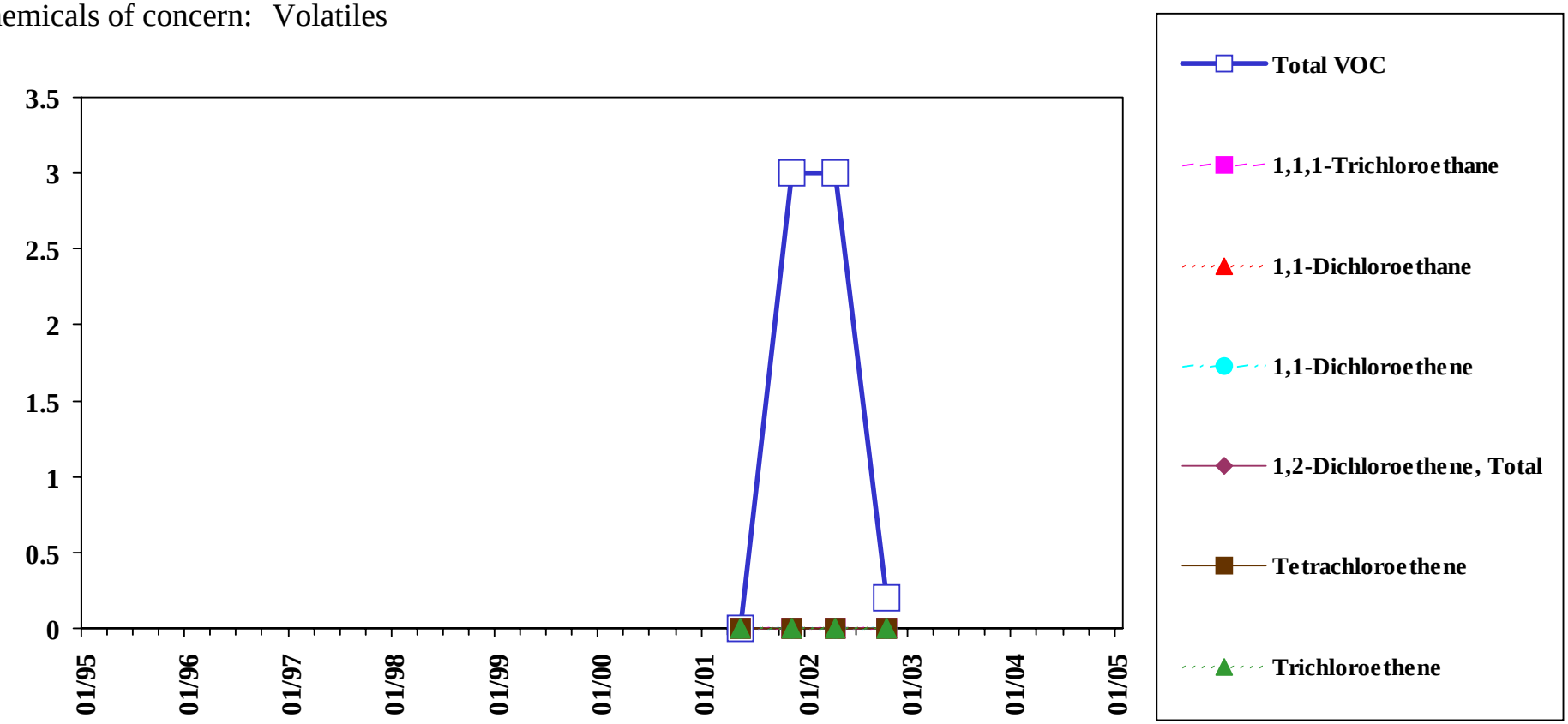
Sample Location:

MW-303

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

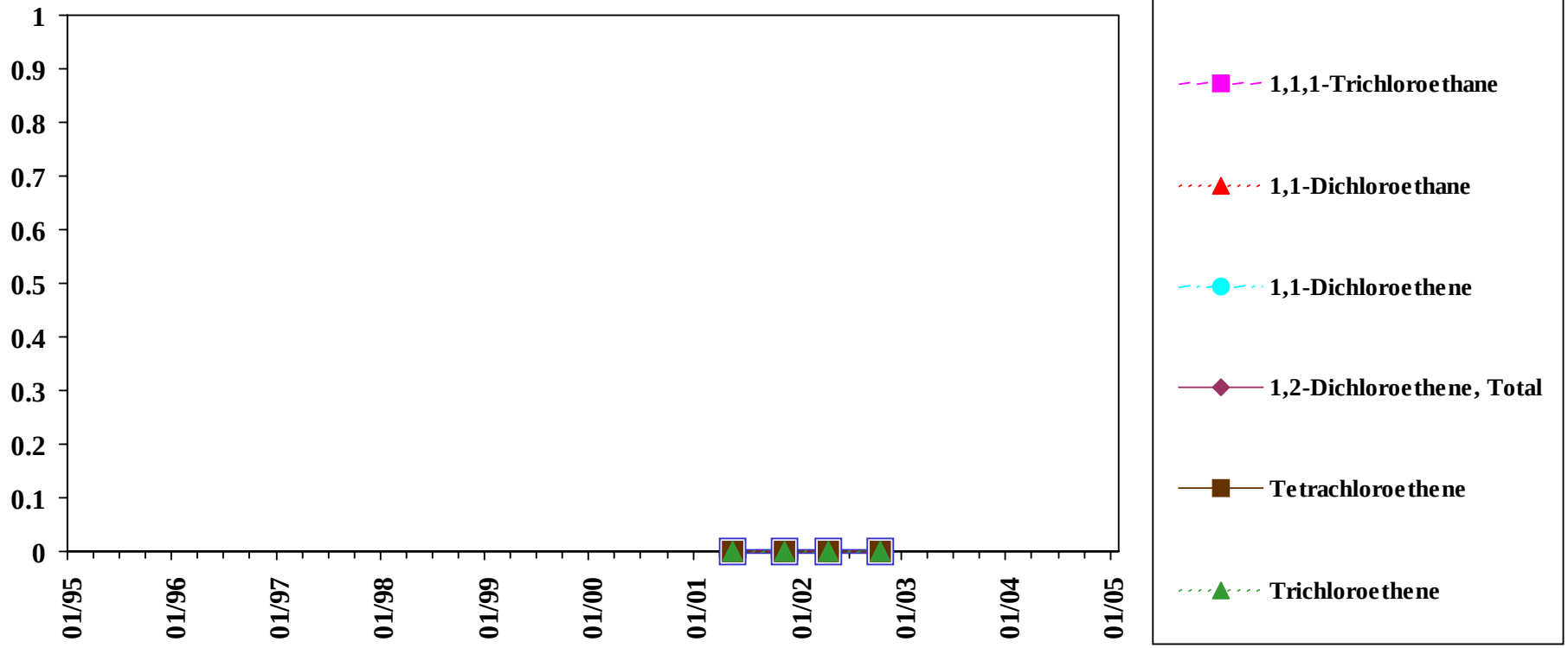
Sample Location:

MW-303

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

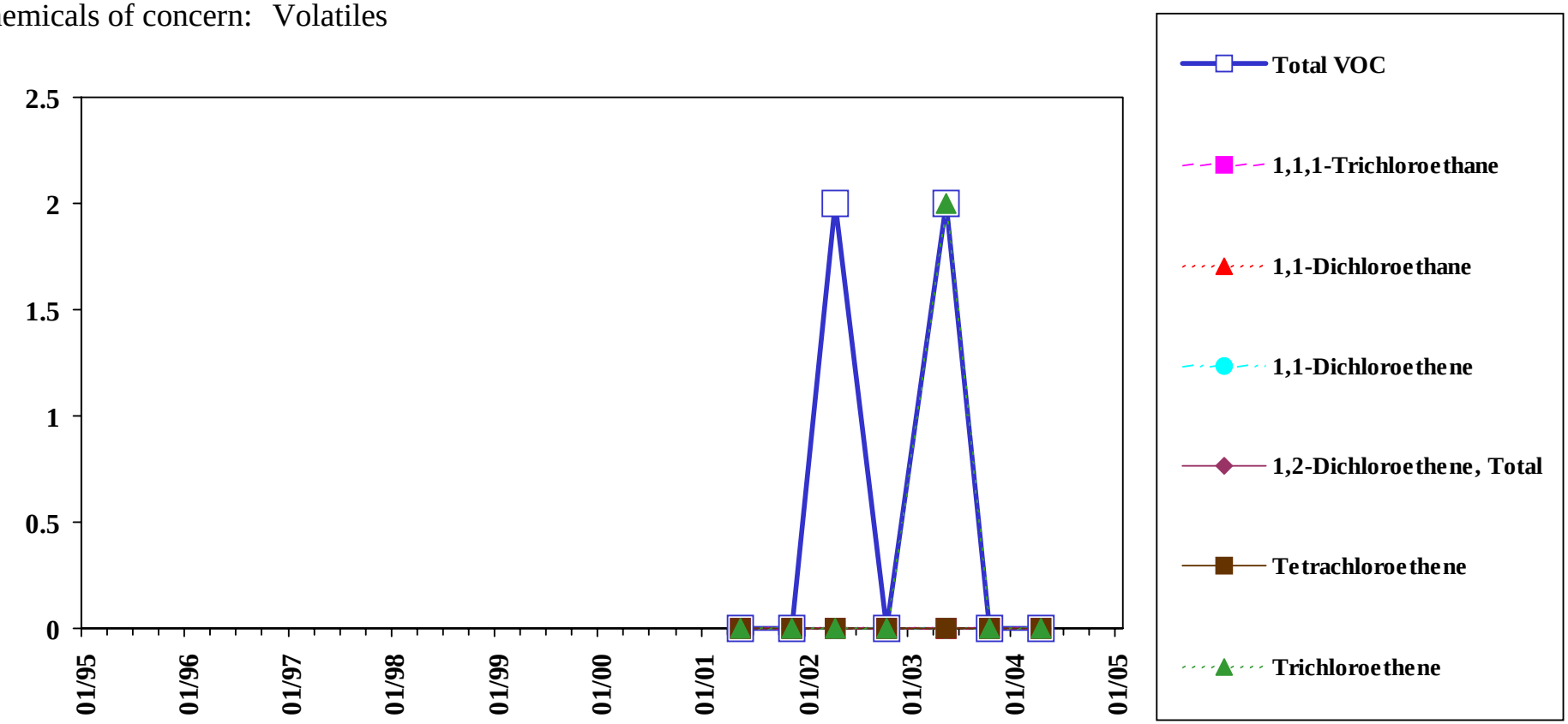
Sample Location:

MW-303

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

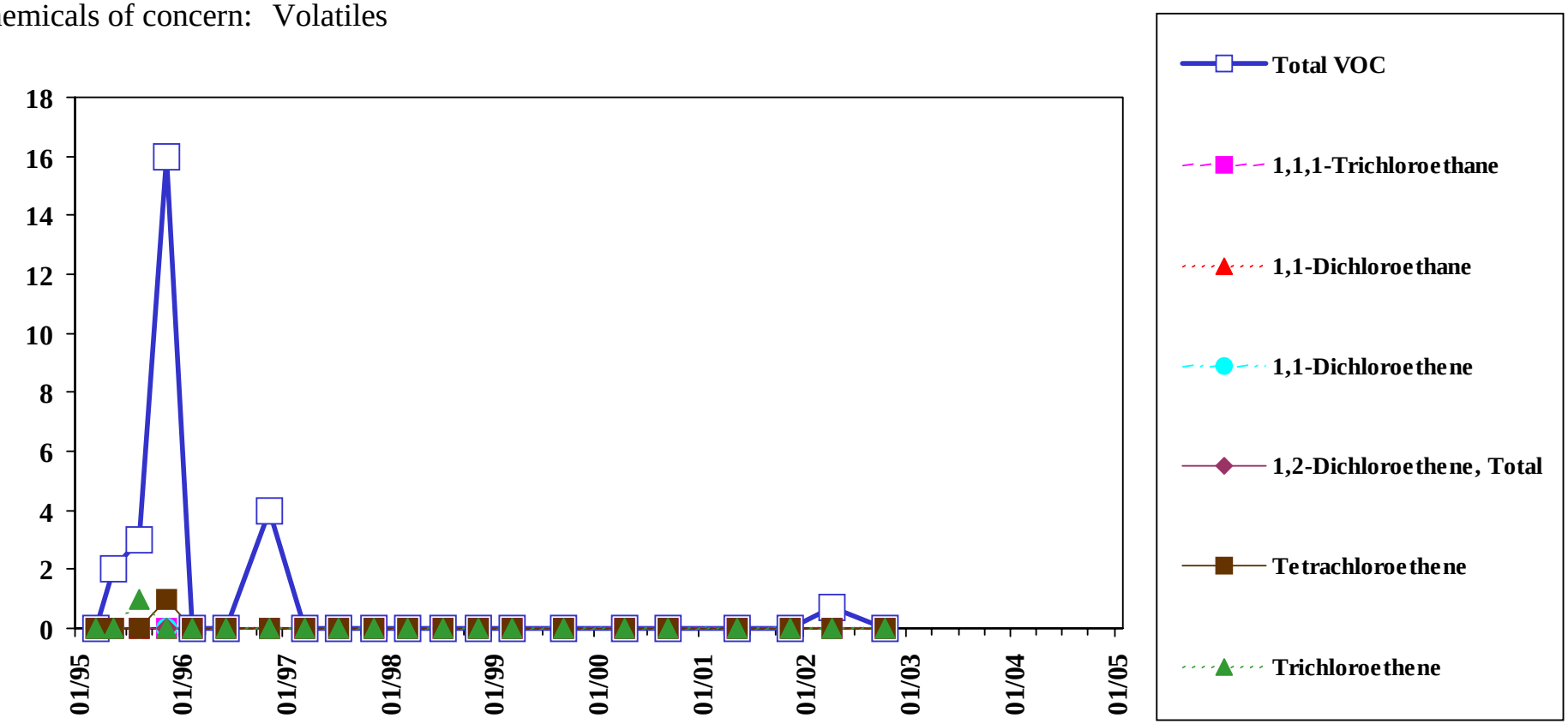
Sample Location:

MW-305

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

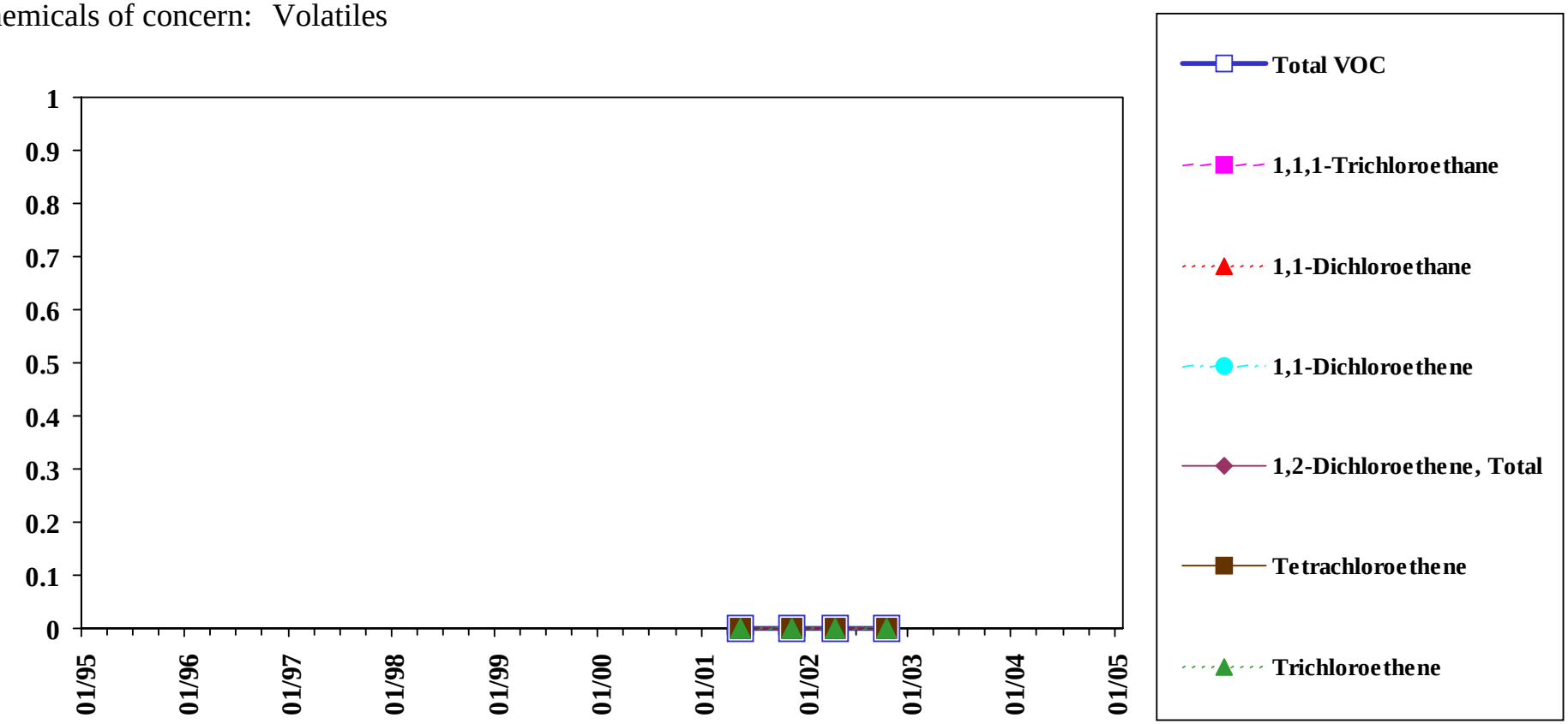
Sample Location:

MW-305

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

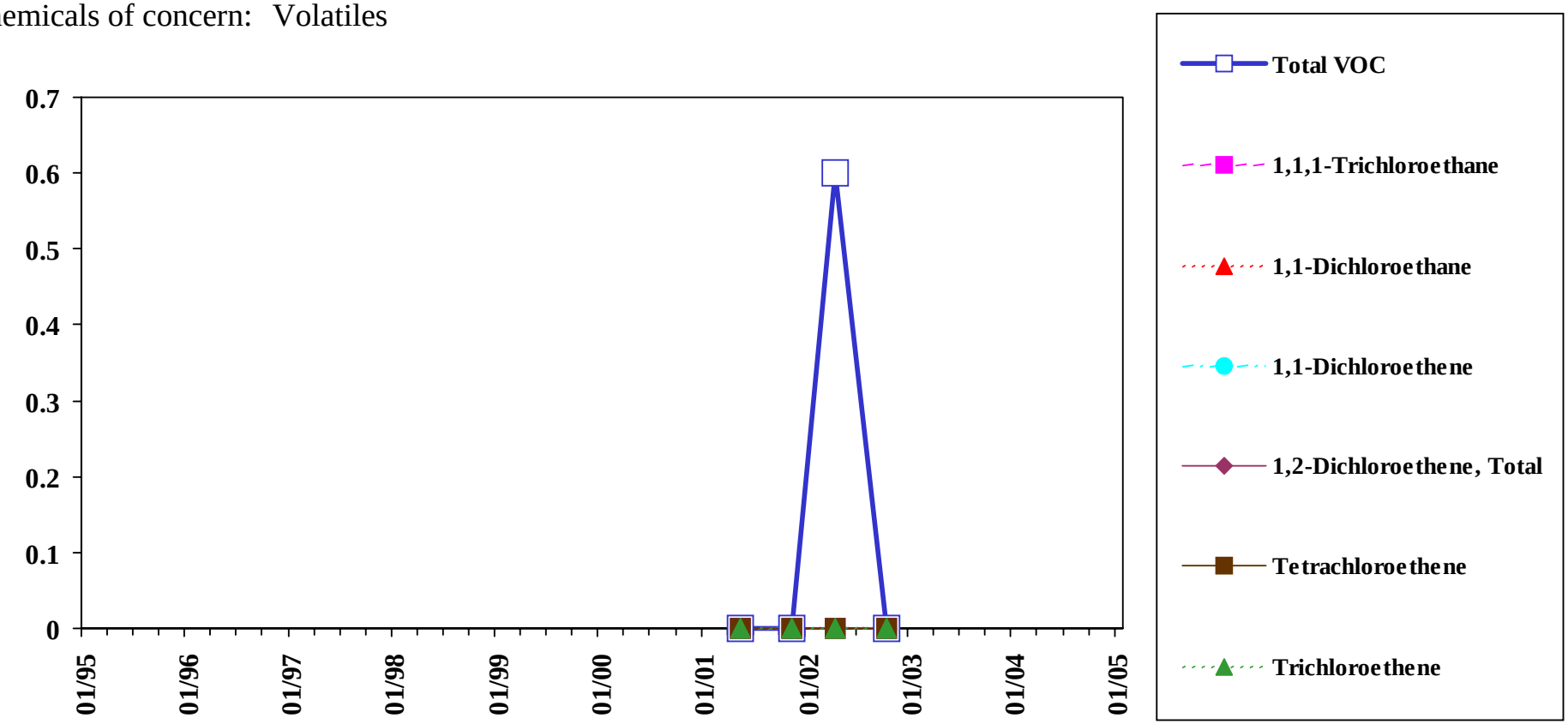
Sample Location:

MW-305

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

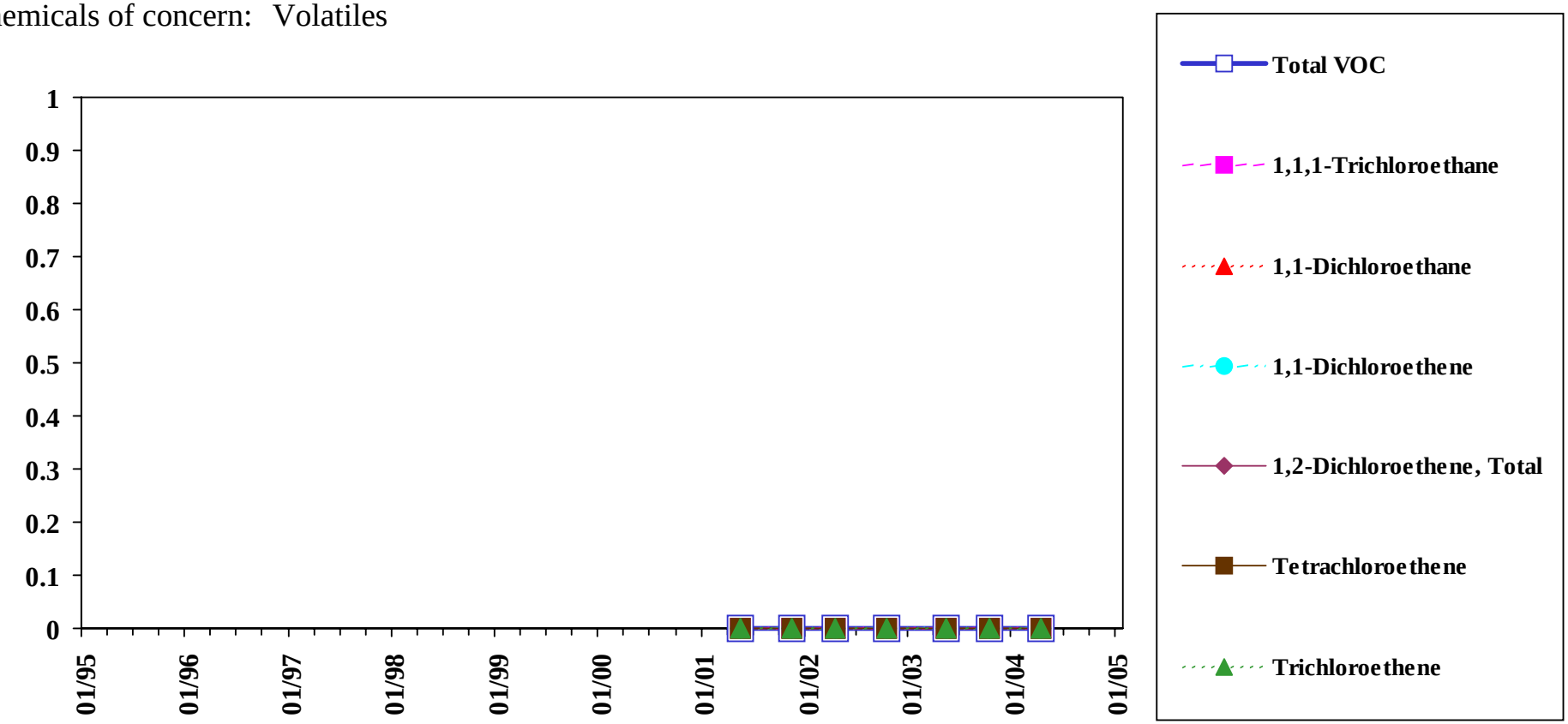
Sample Location:

MW-305

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

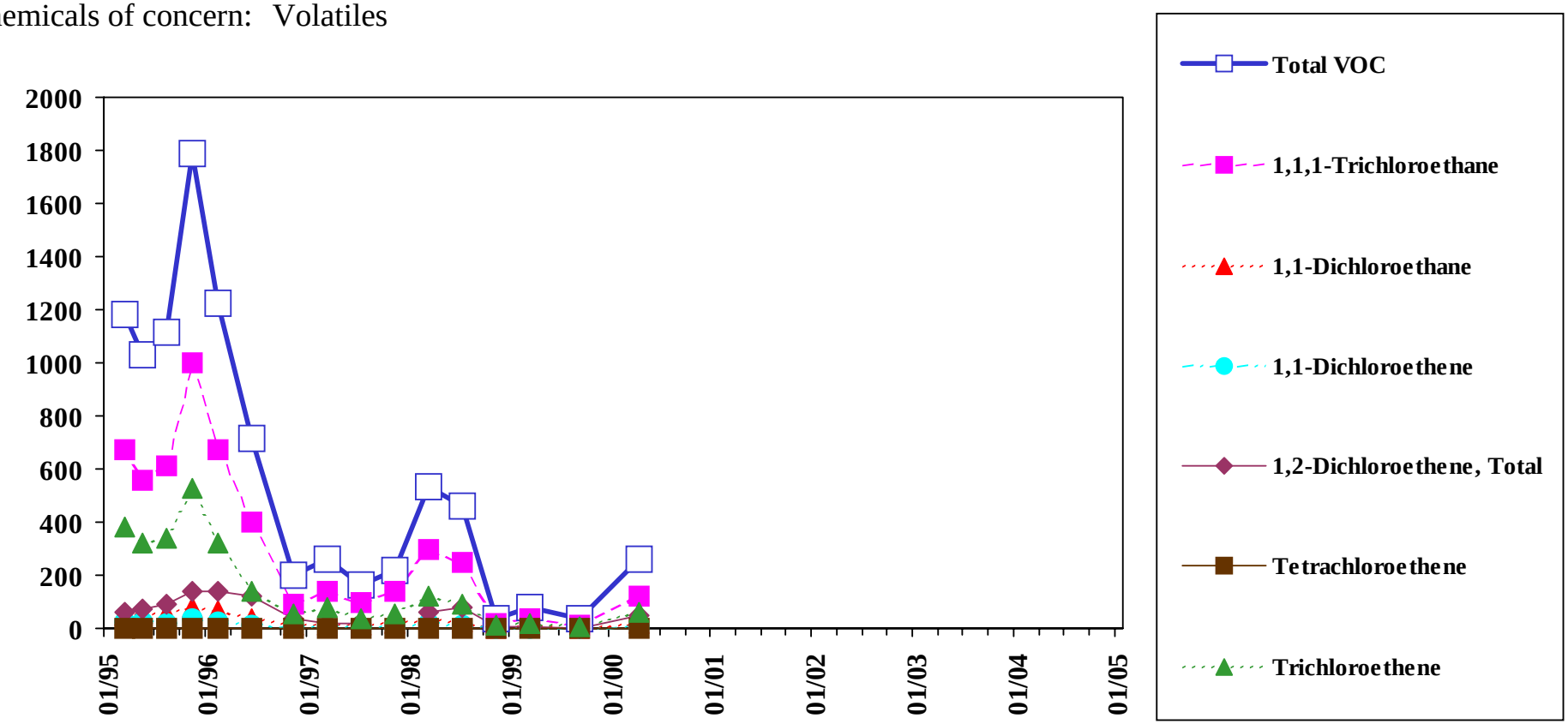
Sample Location:

MW-306

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

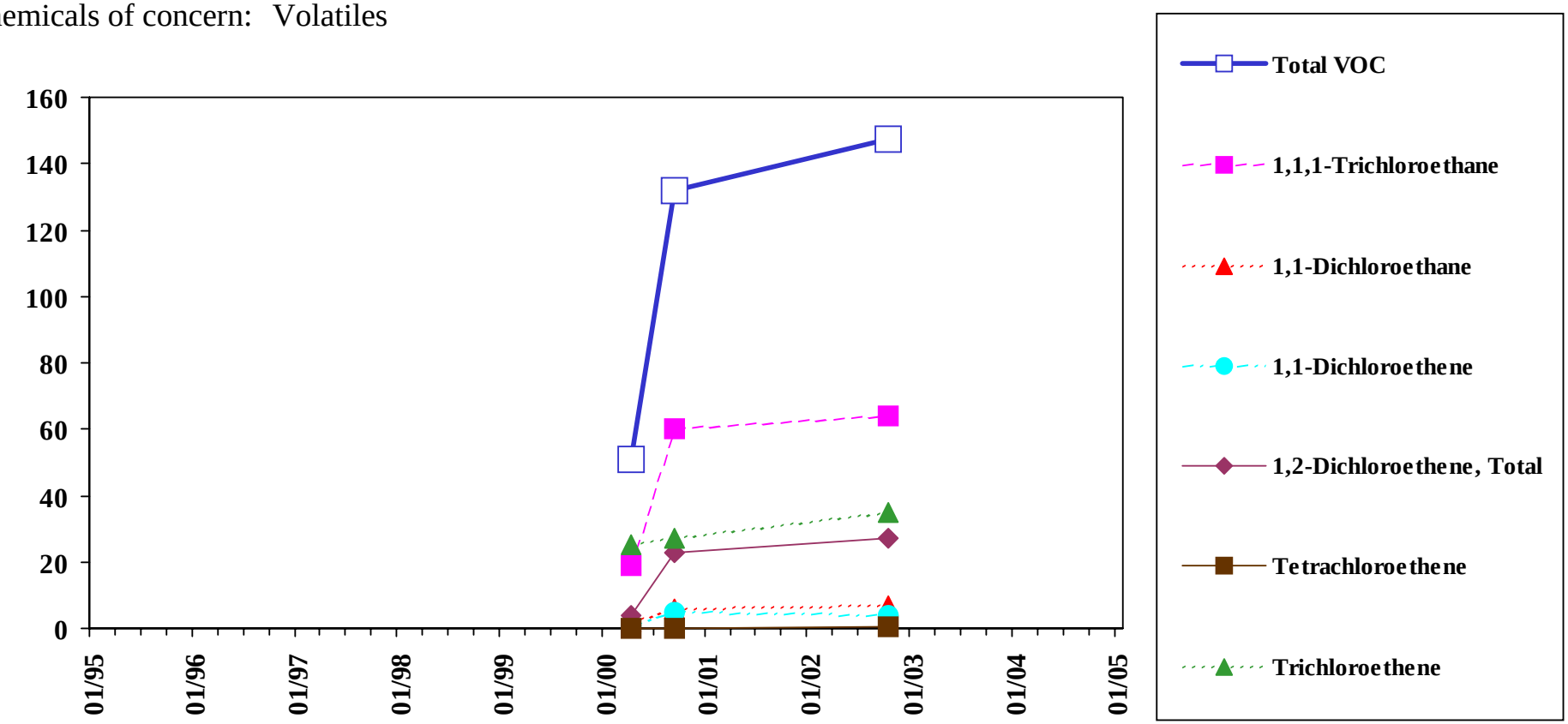
Sample Location:

MW-306

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

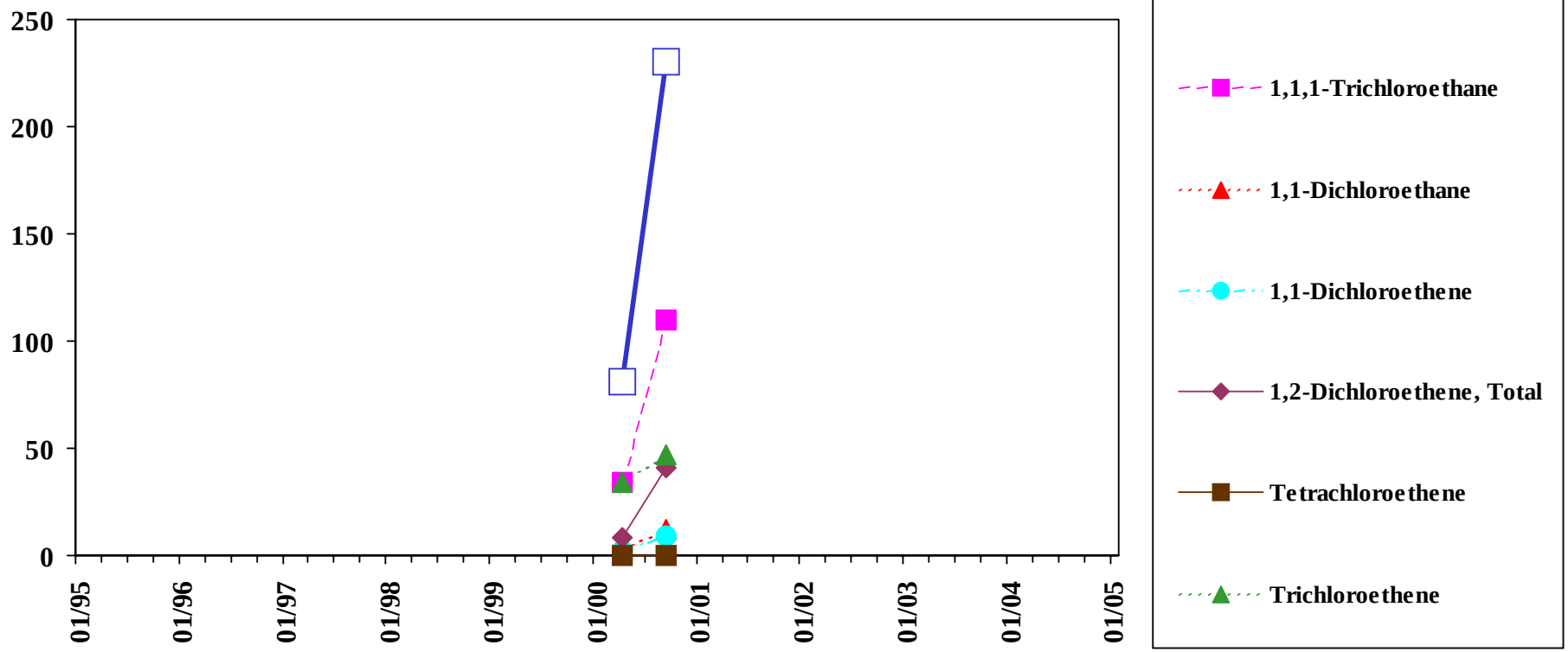
Sample Location:

MW-306

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

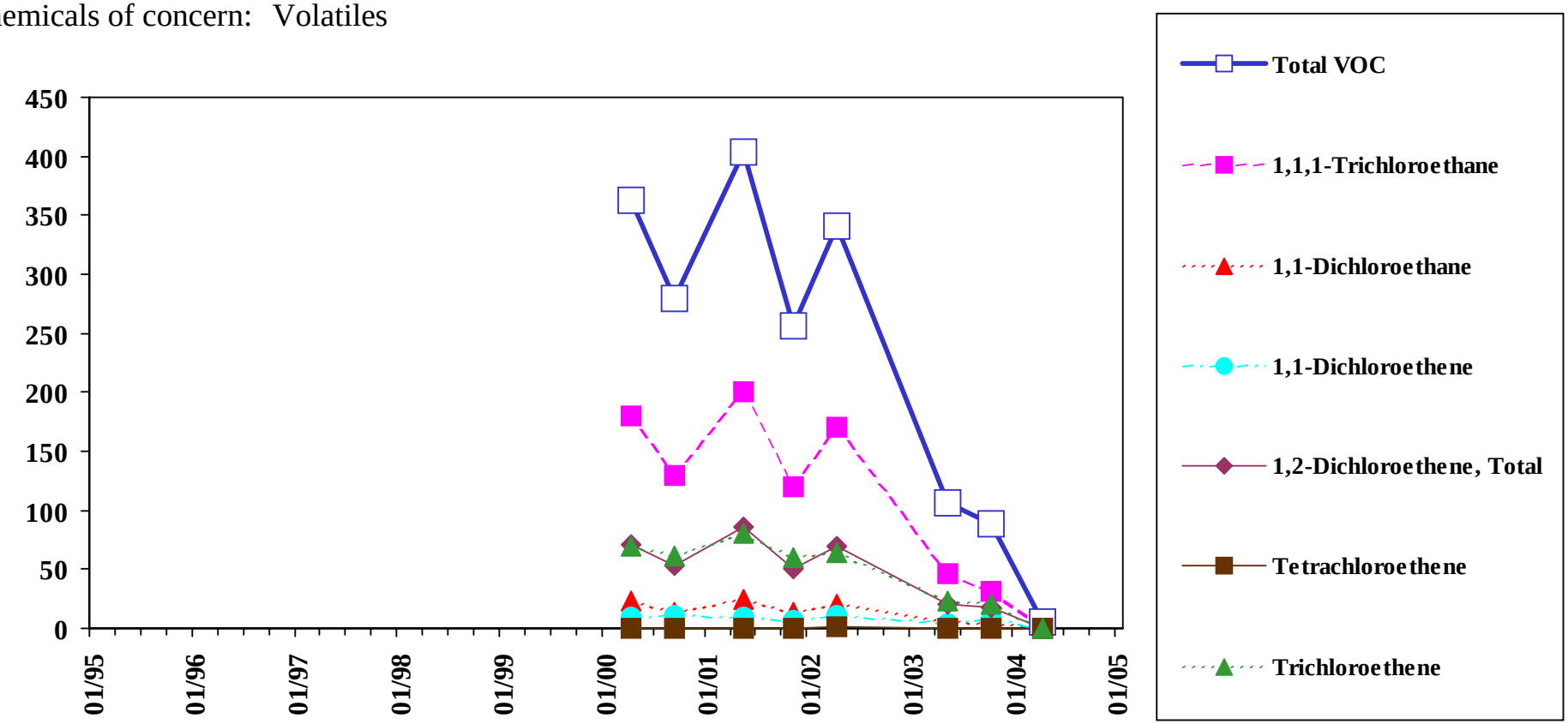
Sample Location:

MW-306

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

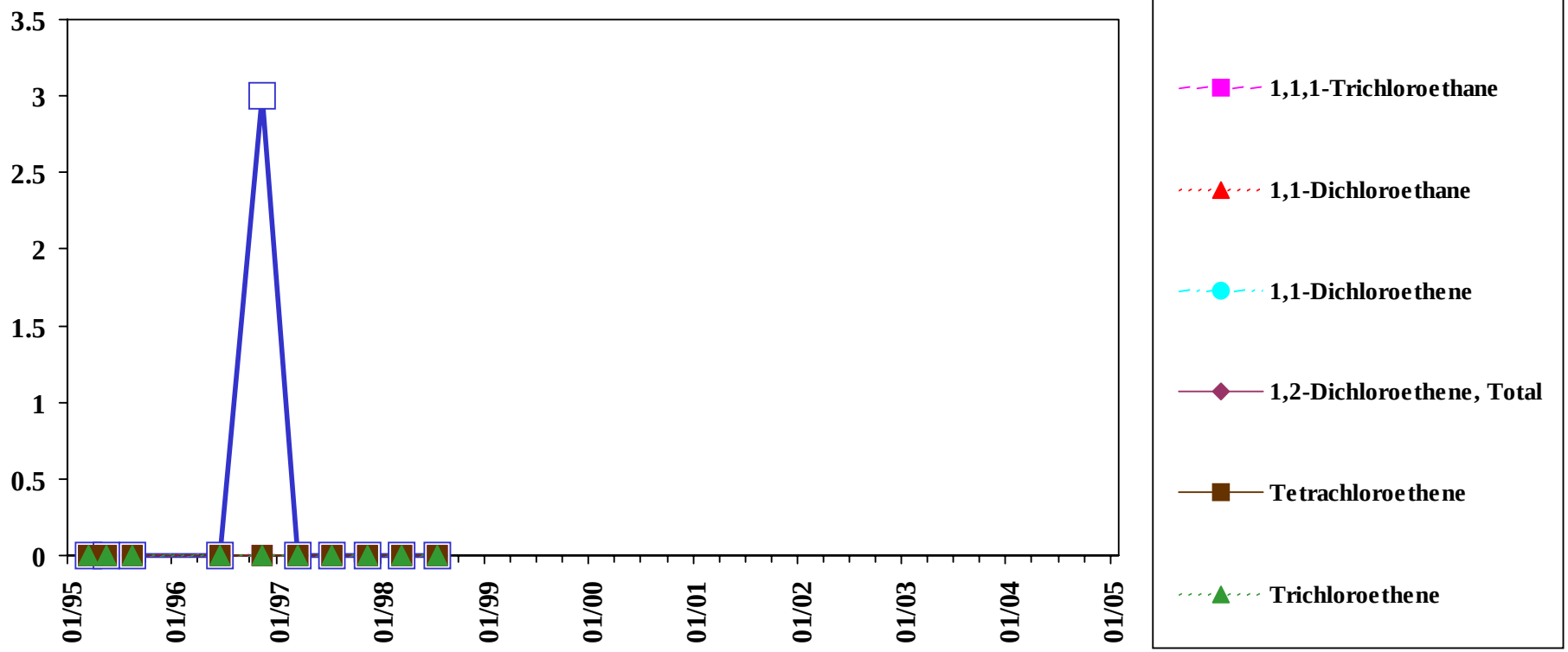
Sample Location:

MW-307

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

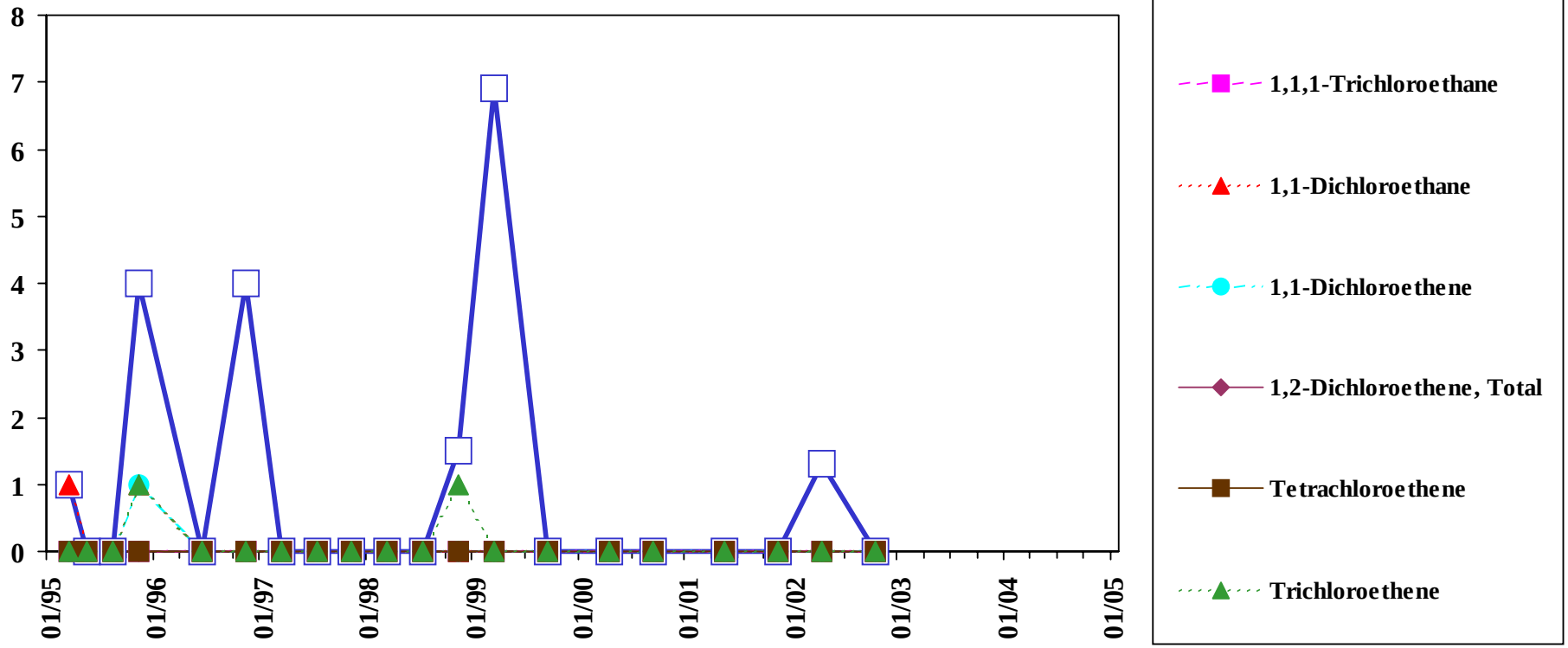
Sample Location:

MW-308

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

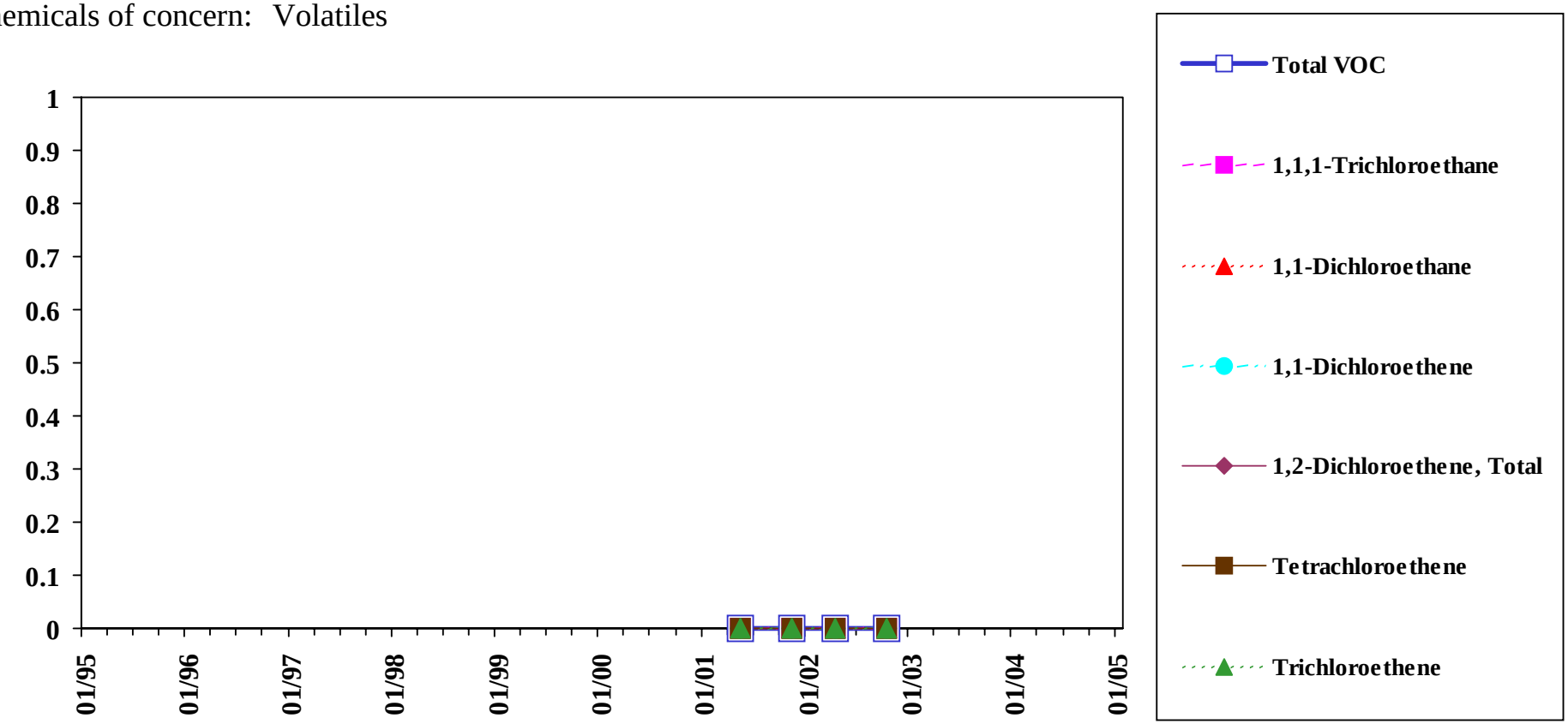
Sample Location:

MW-308

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

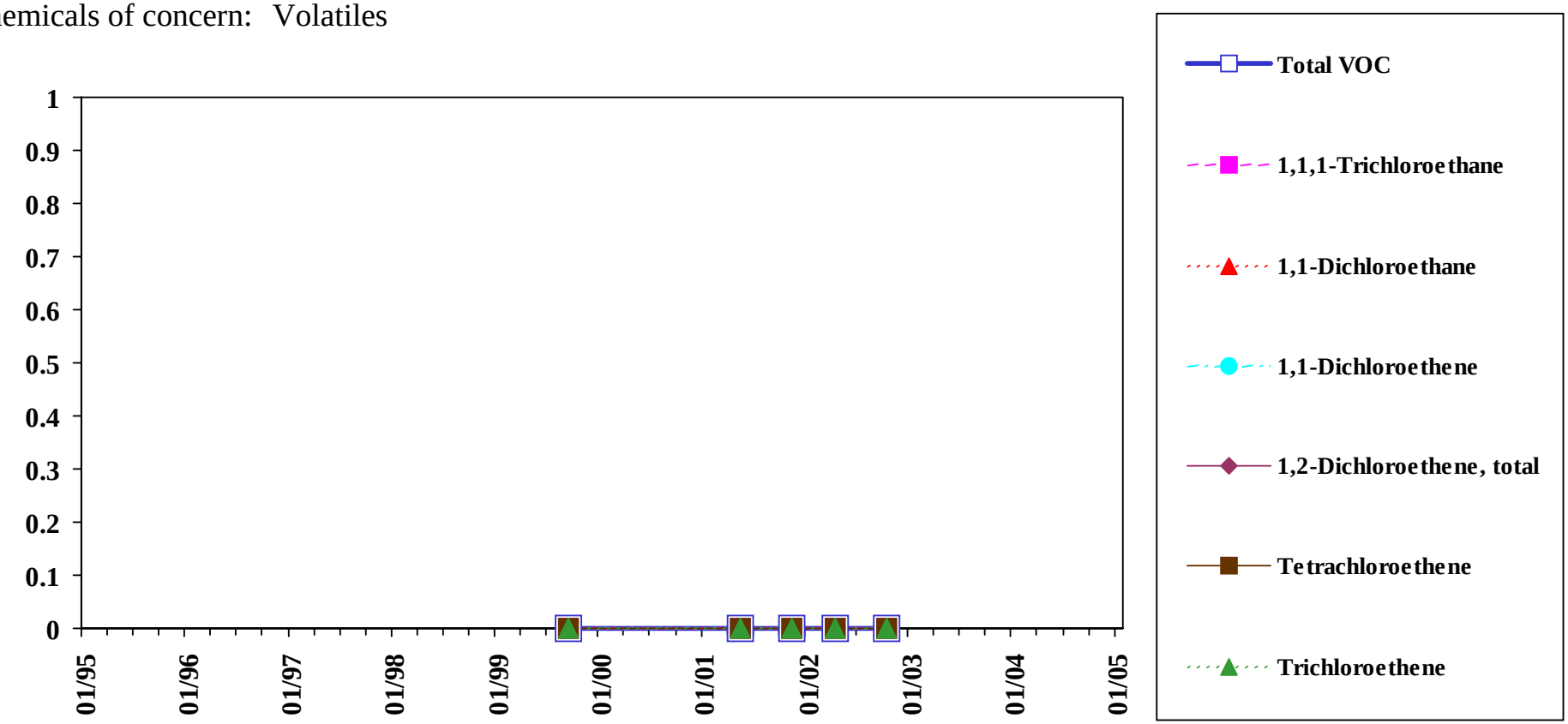
Sample Location:

MW-308

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

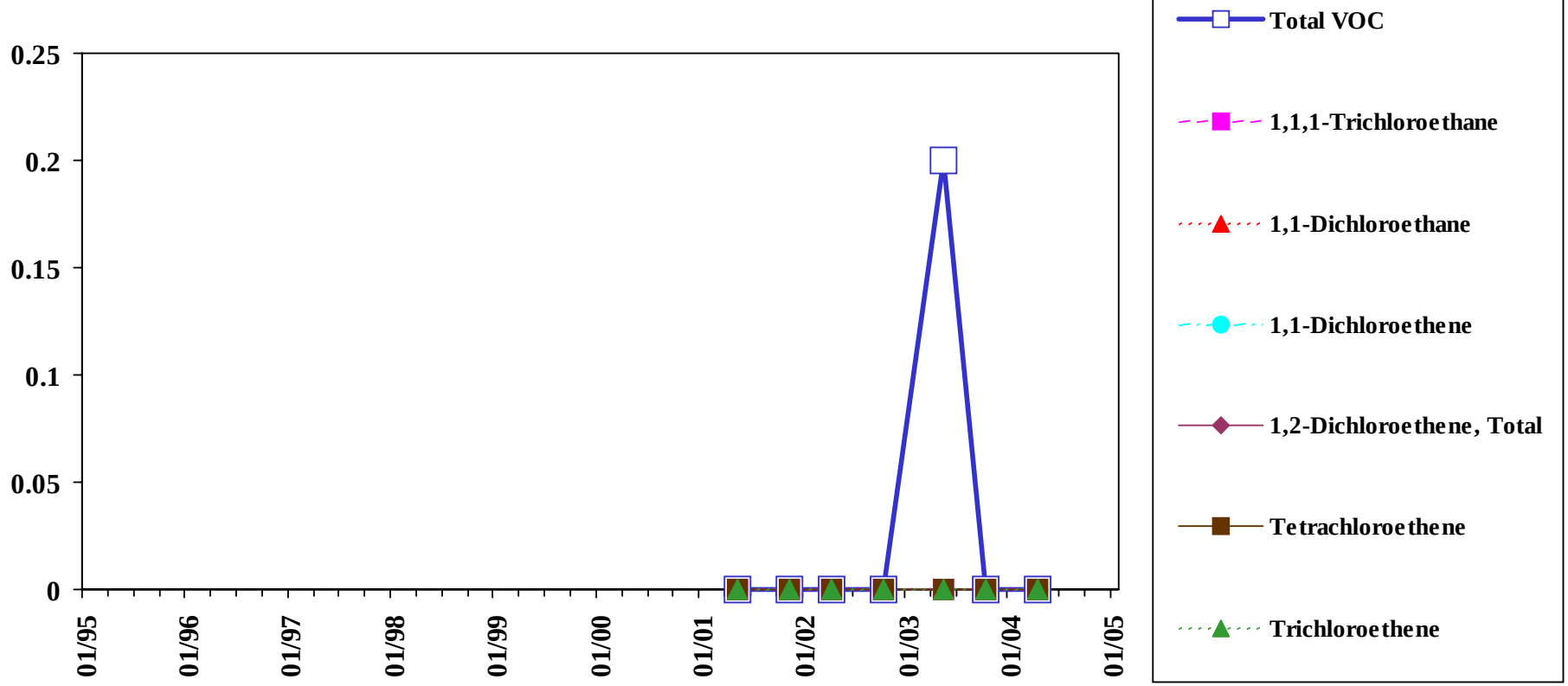
Sample Location:

MW-308

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

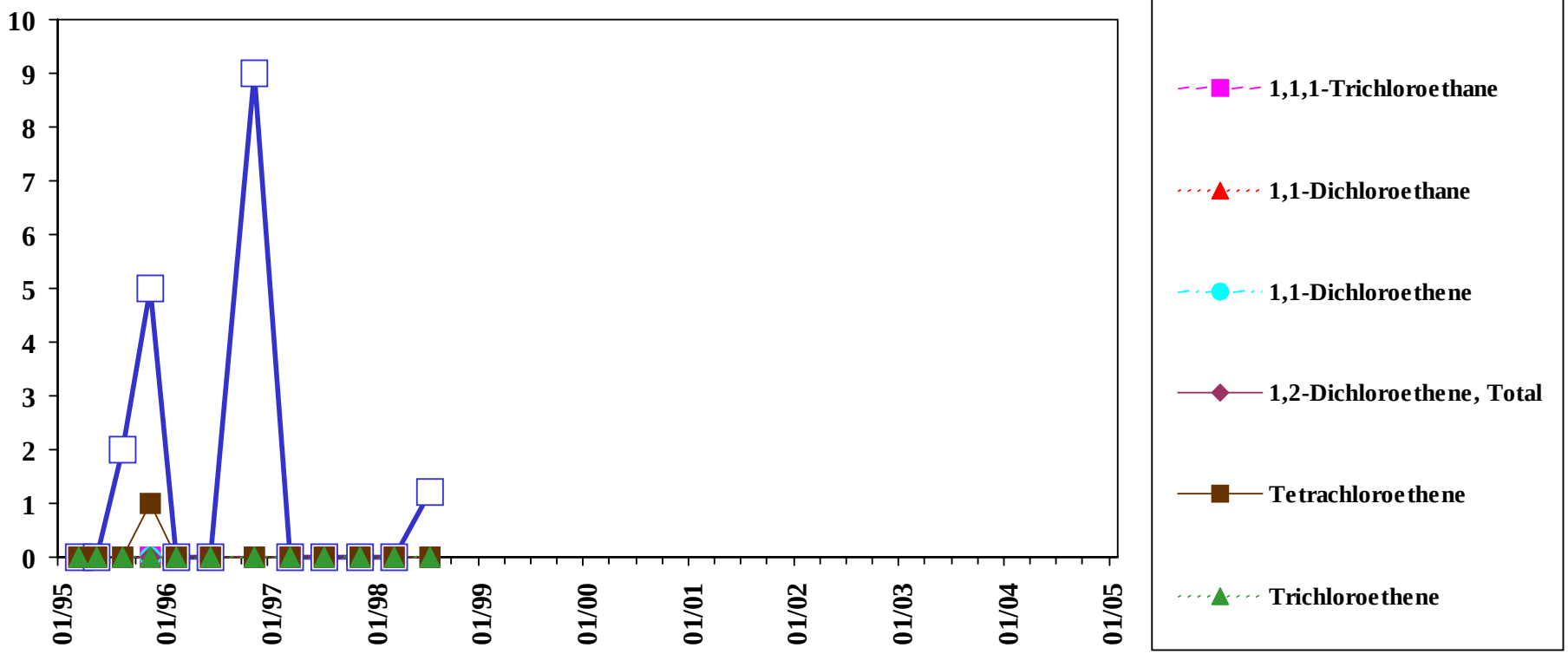
Sample Location:

MW-309A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

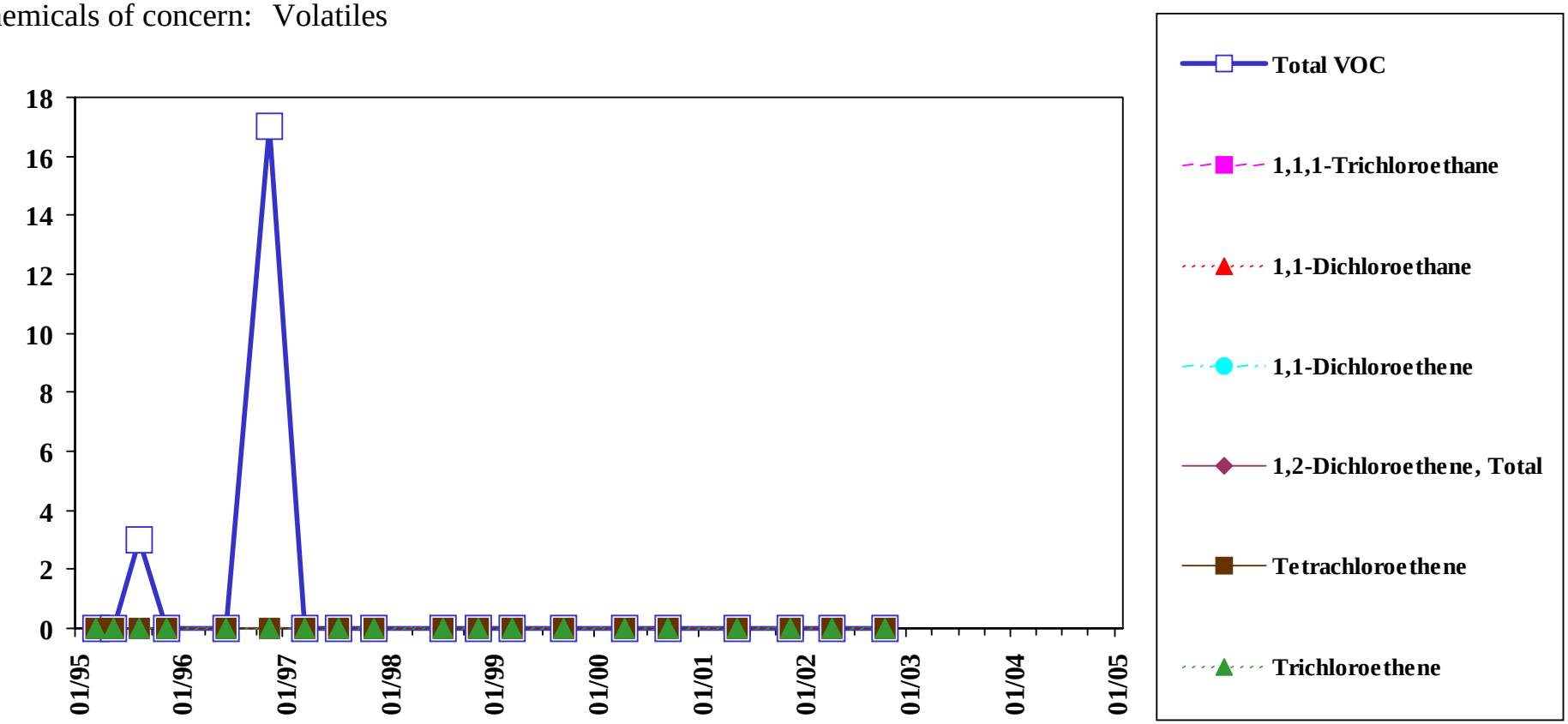
Sample Location:

MW-309B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

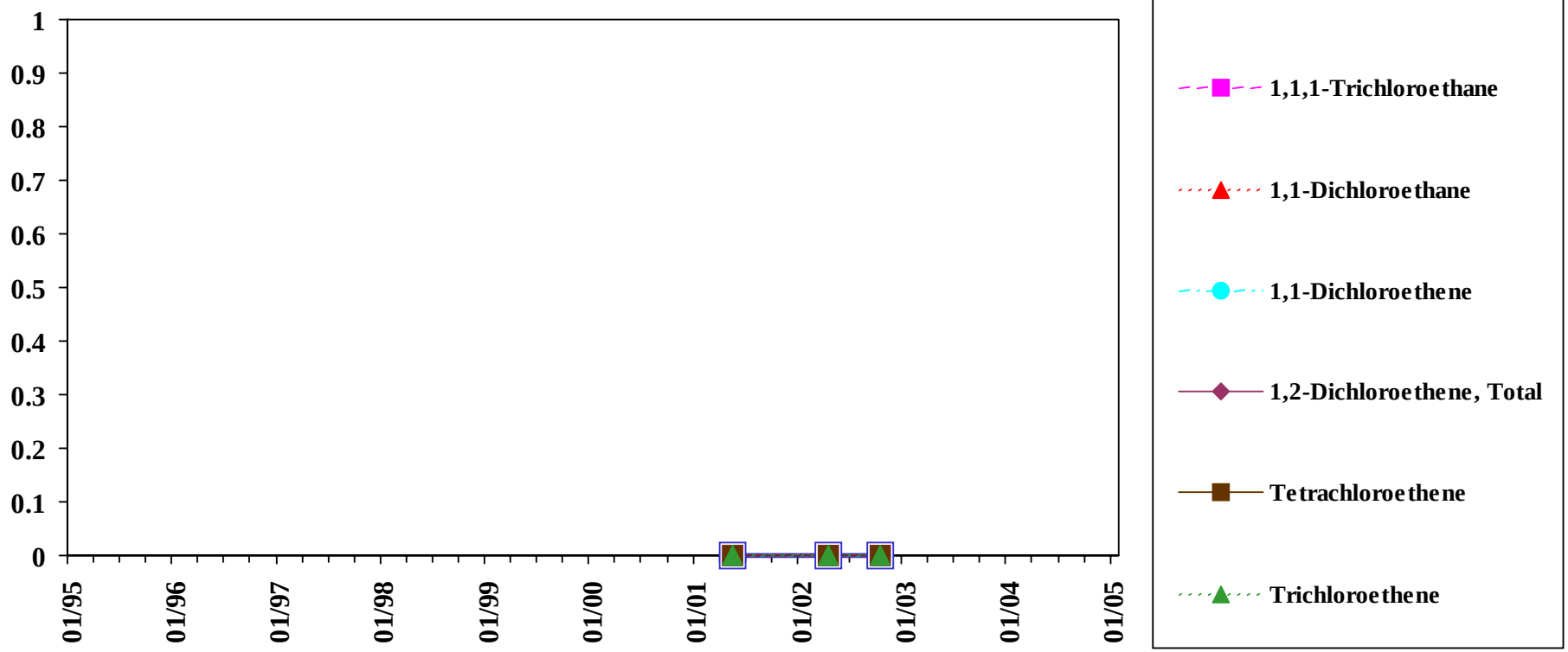
Sample Location:

MW-309B

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

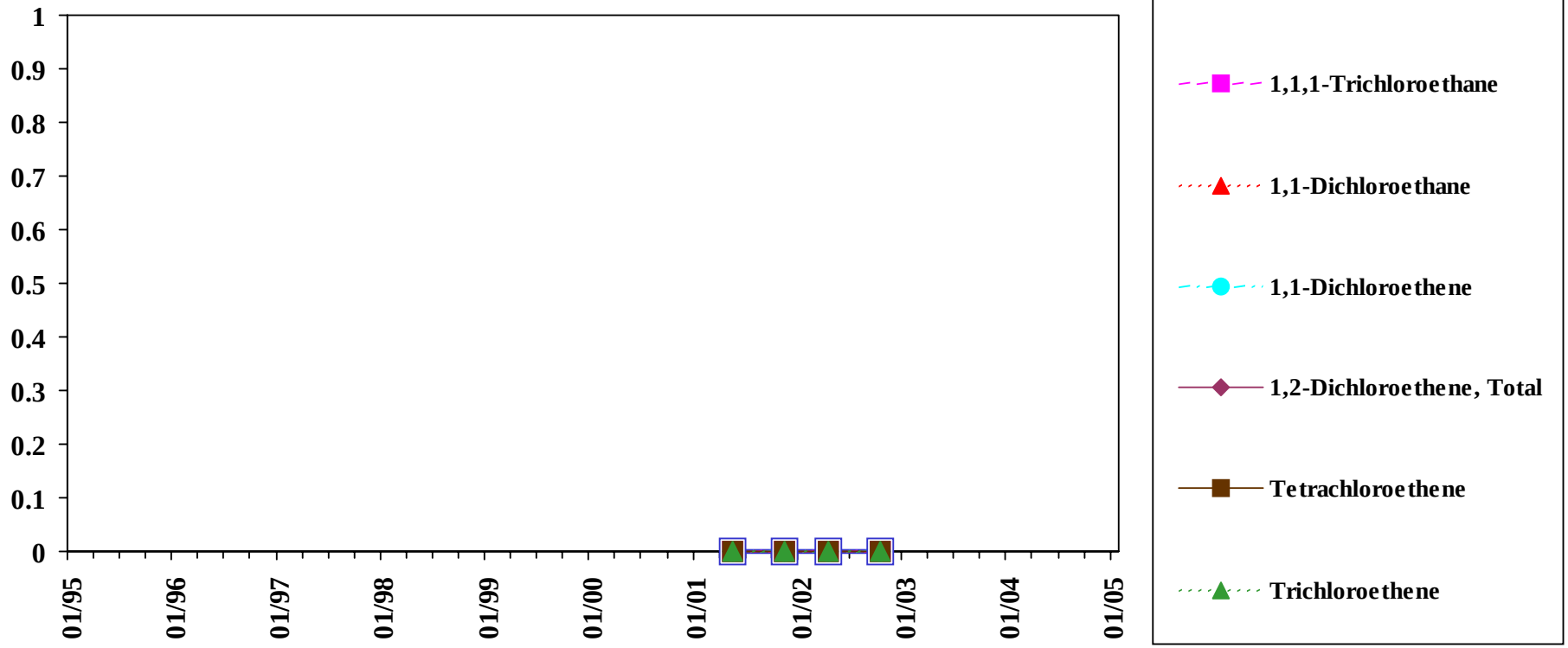
Sample Location:

MW-309B

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

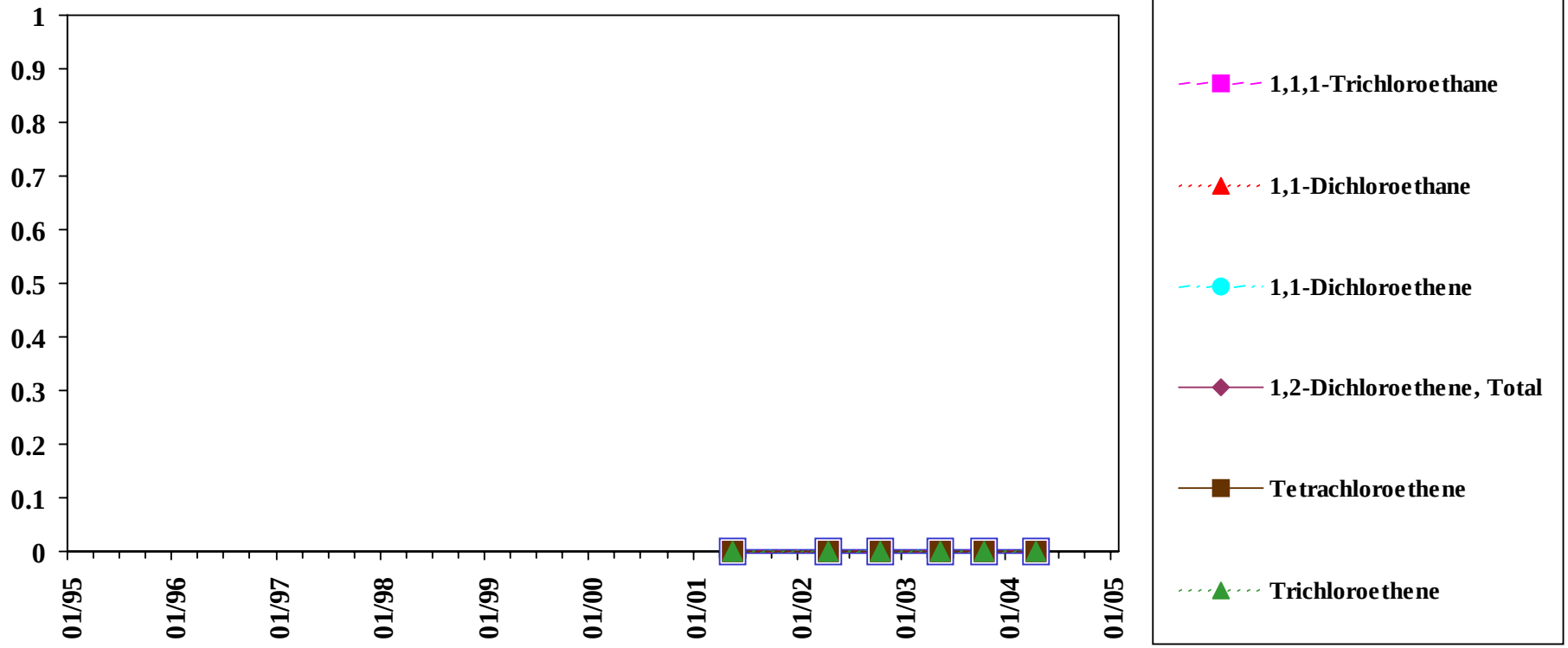
Sample Location:

MW-309B

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

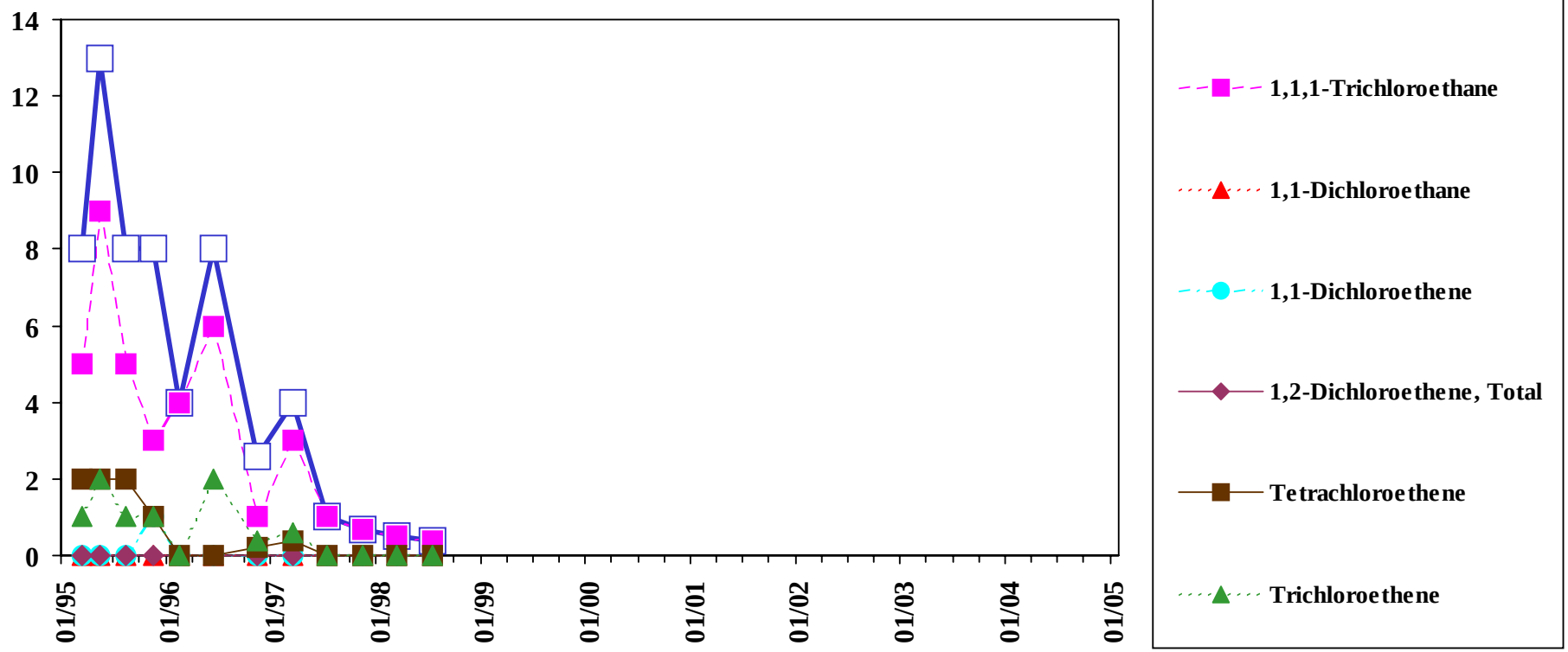
Sample Location:

MW-310

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

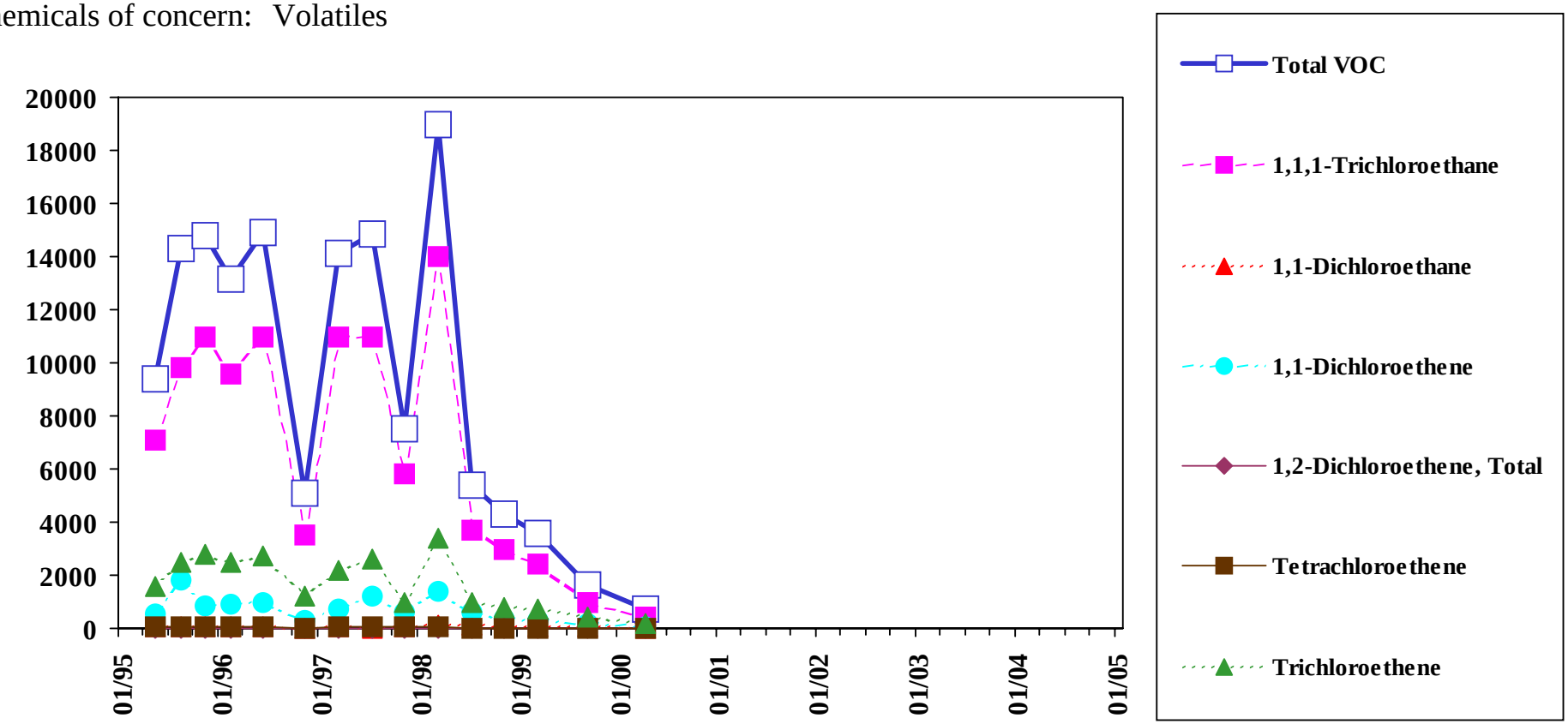
Sample Location:

MW-311

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

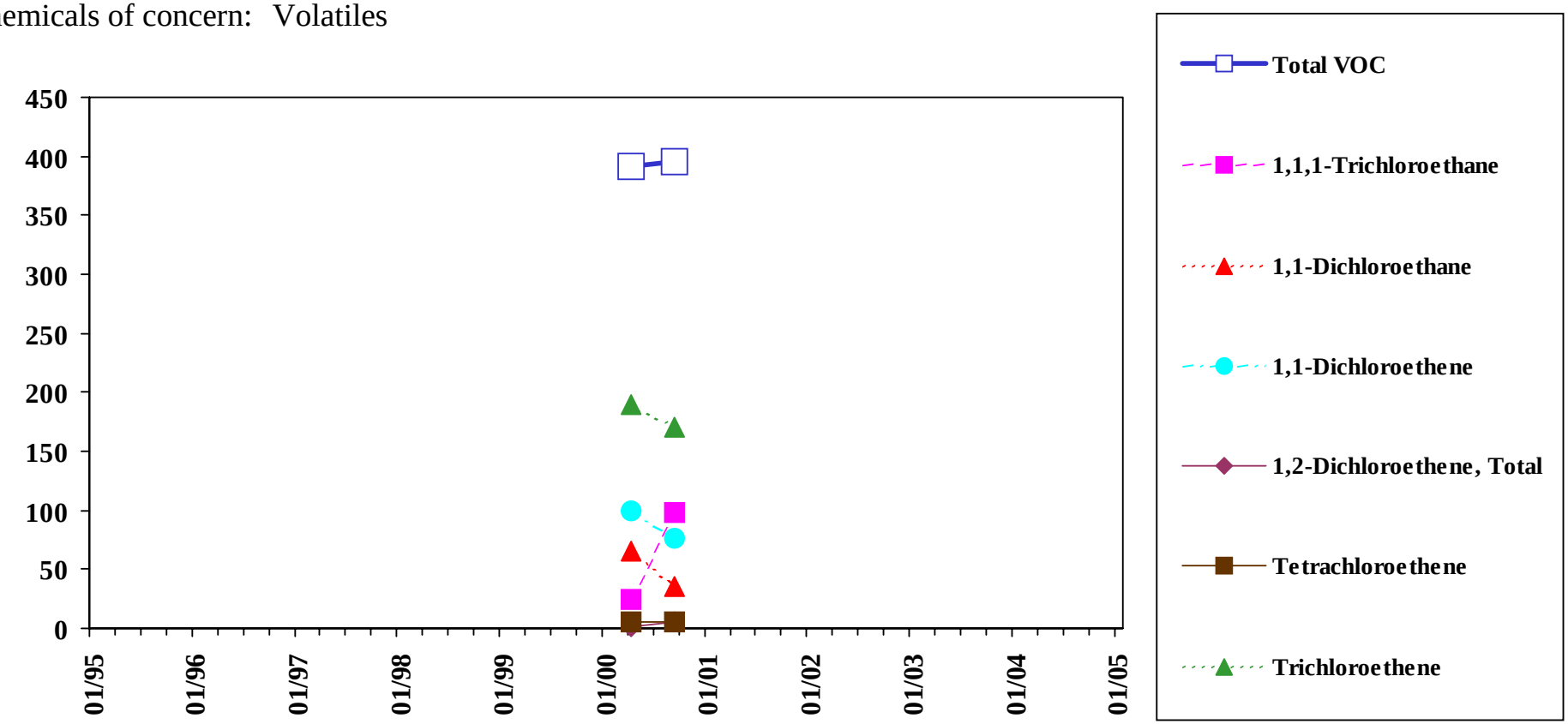
Sample Location:

MW-311

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

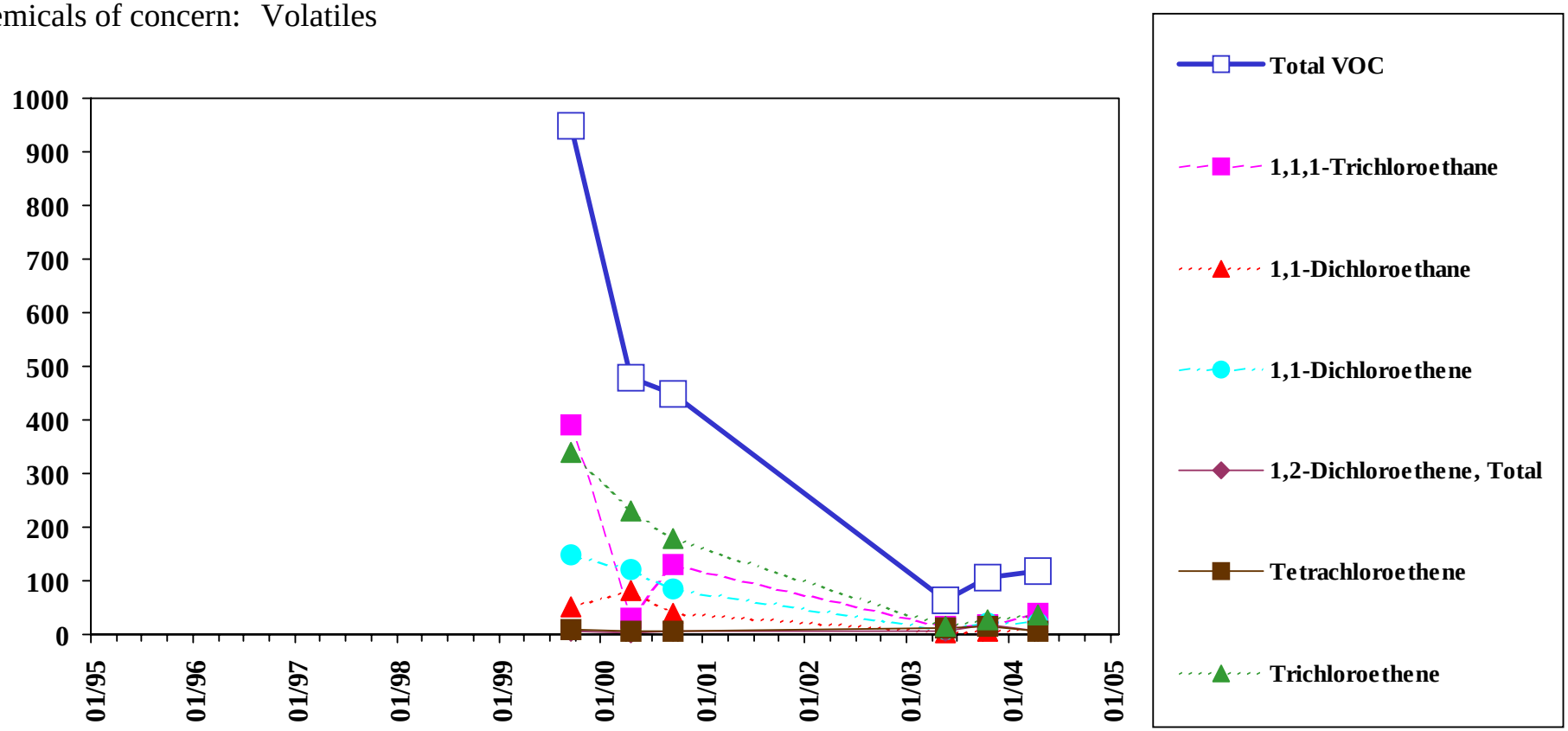
Sample Location:

MW-311

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

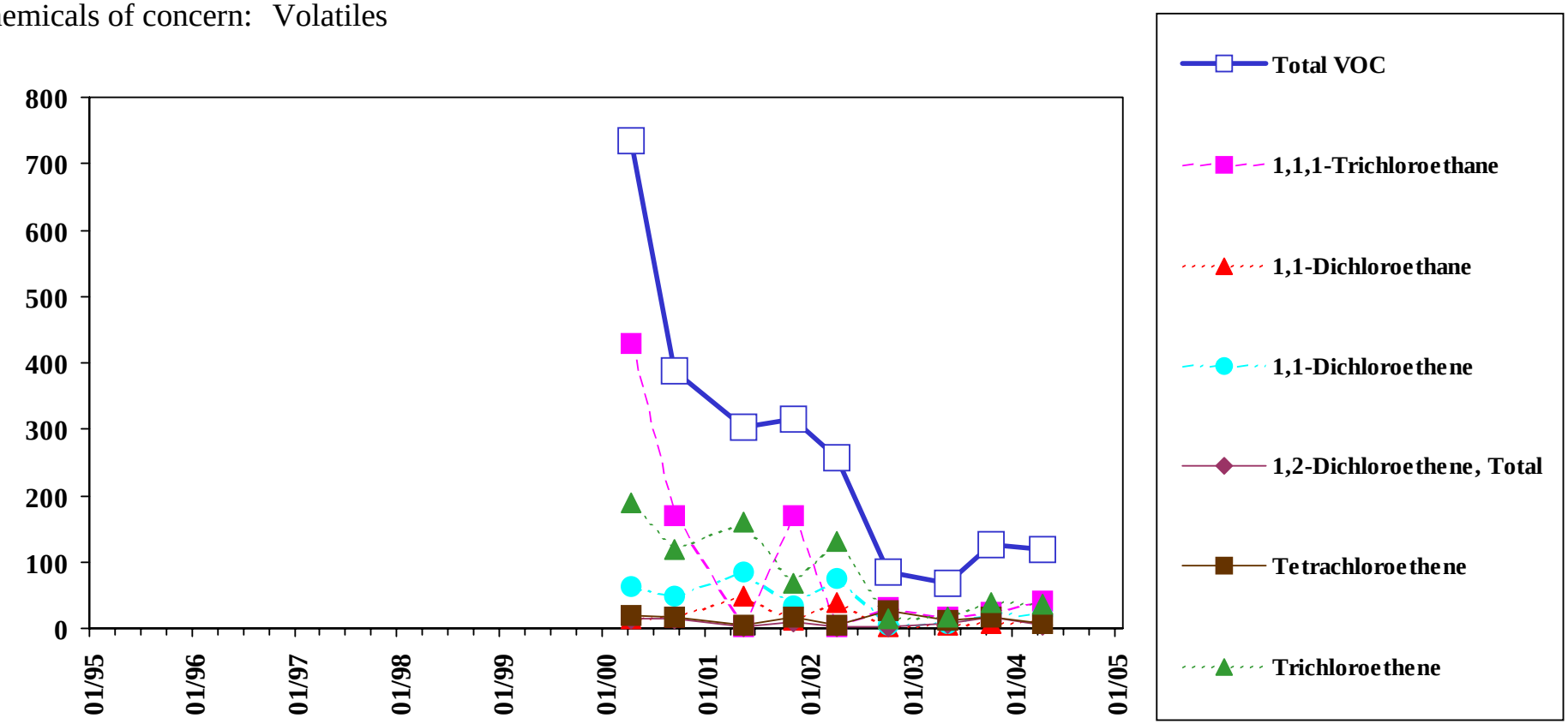
Sample Location:

MW-311

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

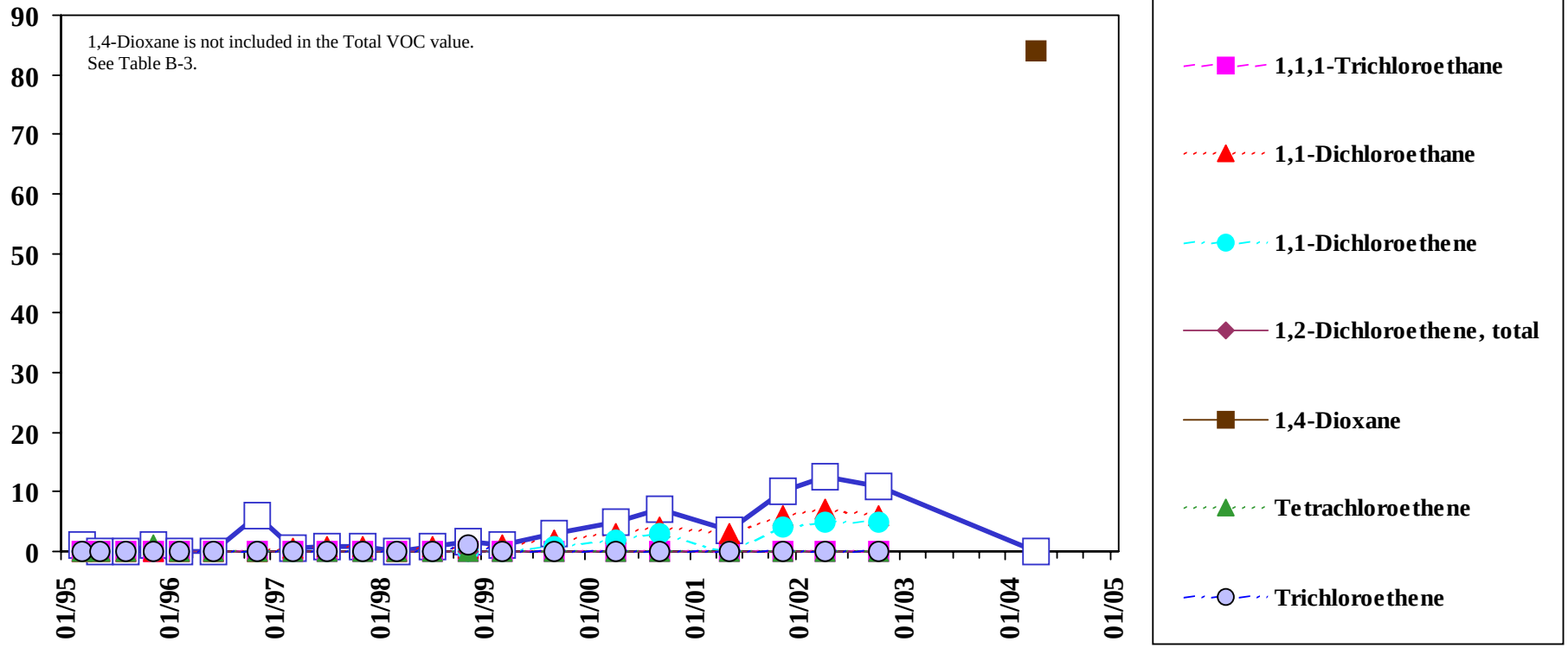
Sample Location:

MW-313

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

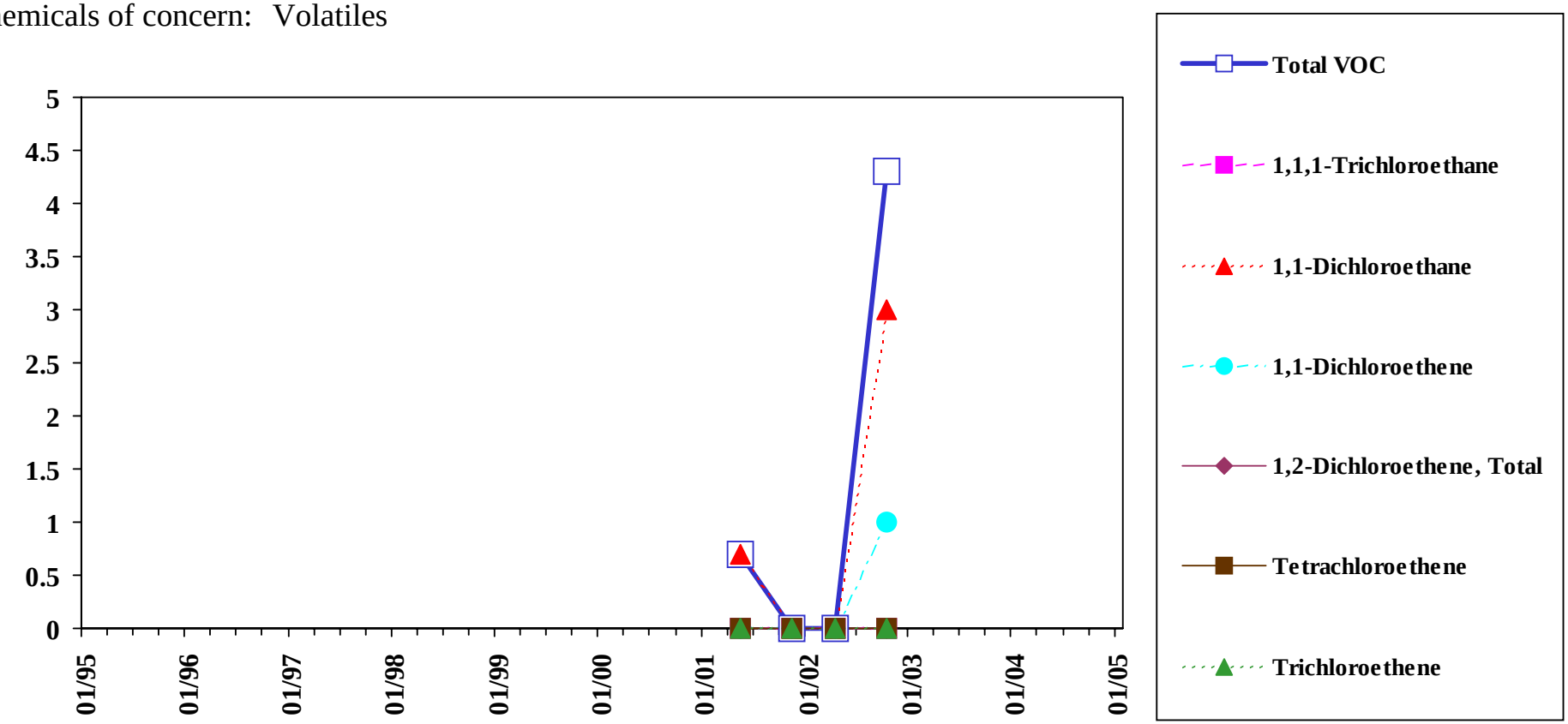
Sample Location:

MW-313

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

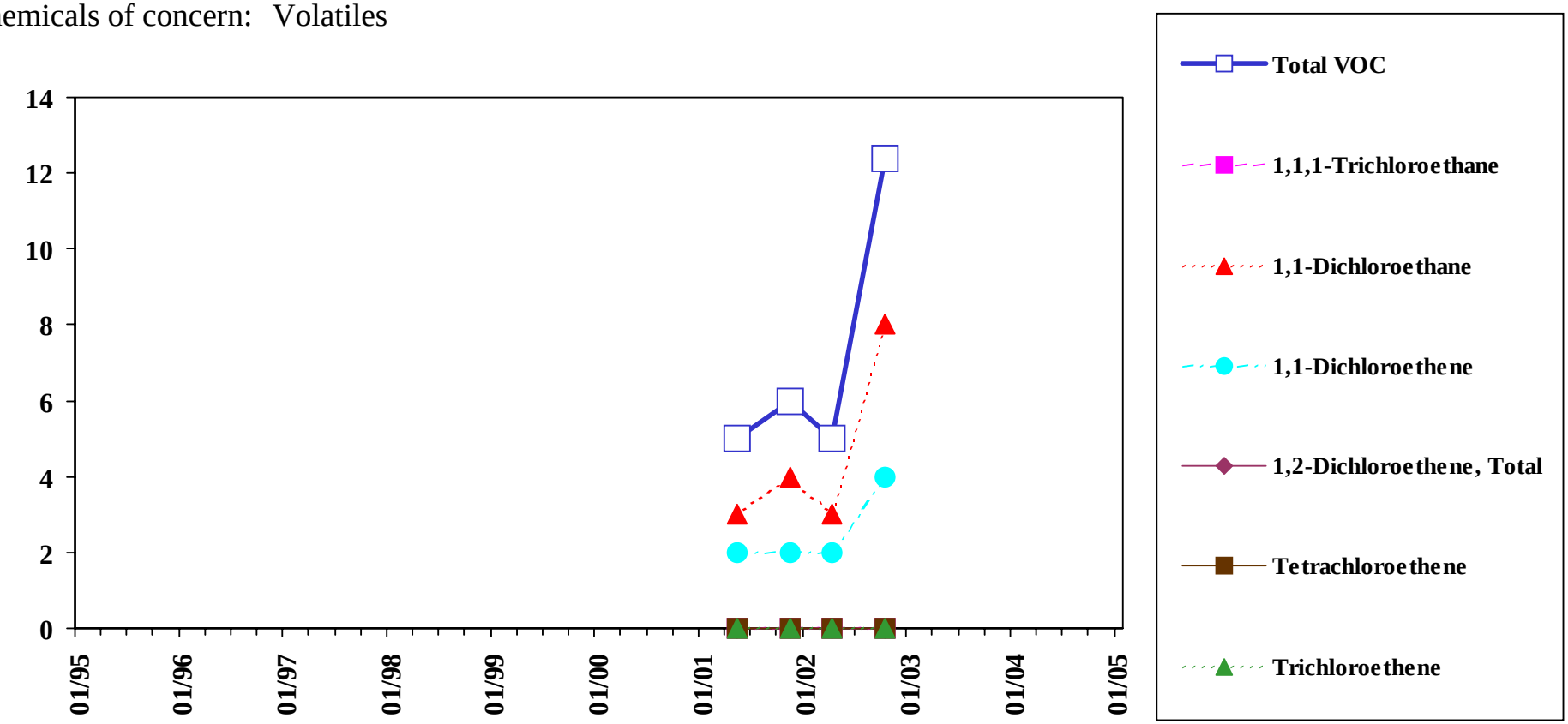
Sample Location:

MW-313

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

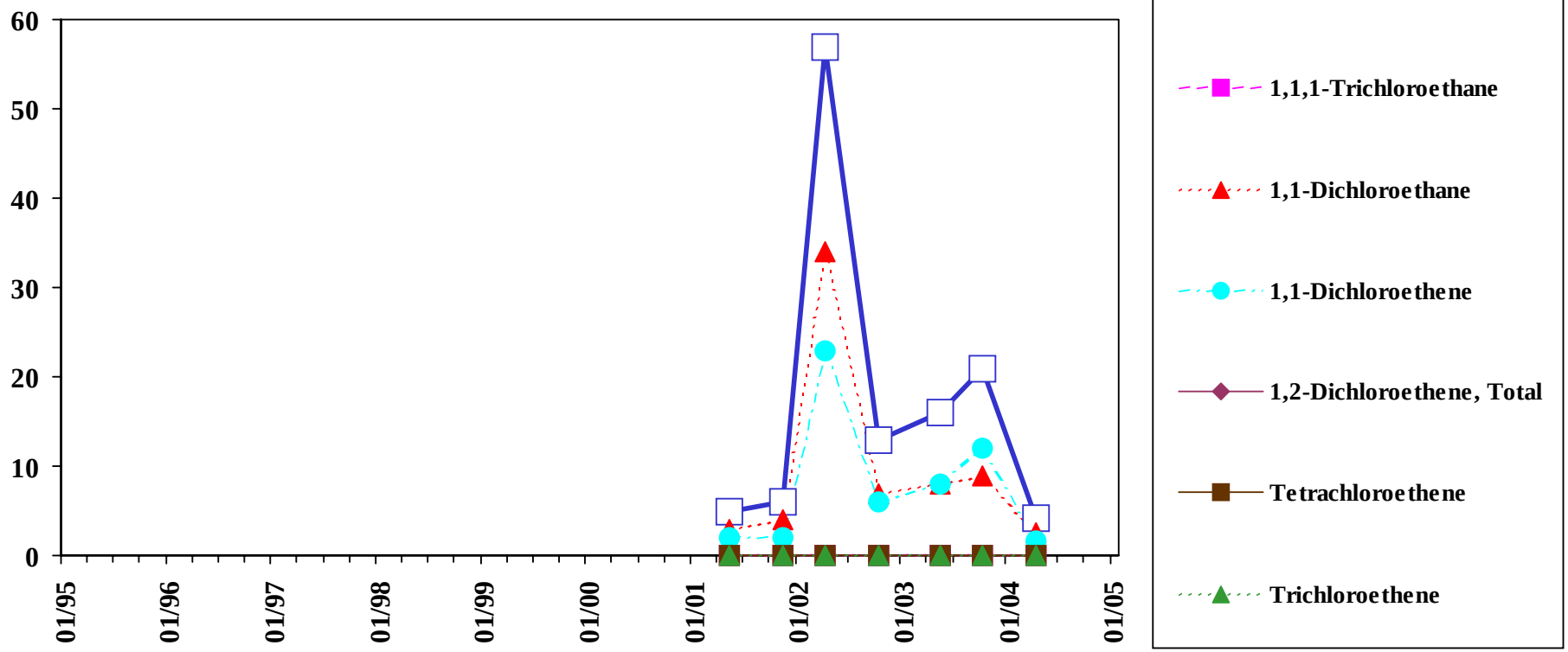
Sample Location:

MW-313

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

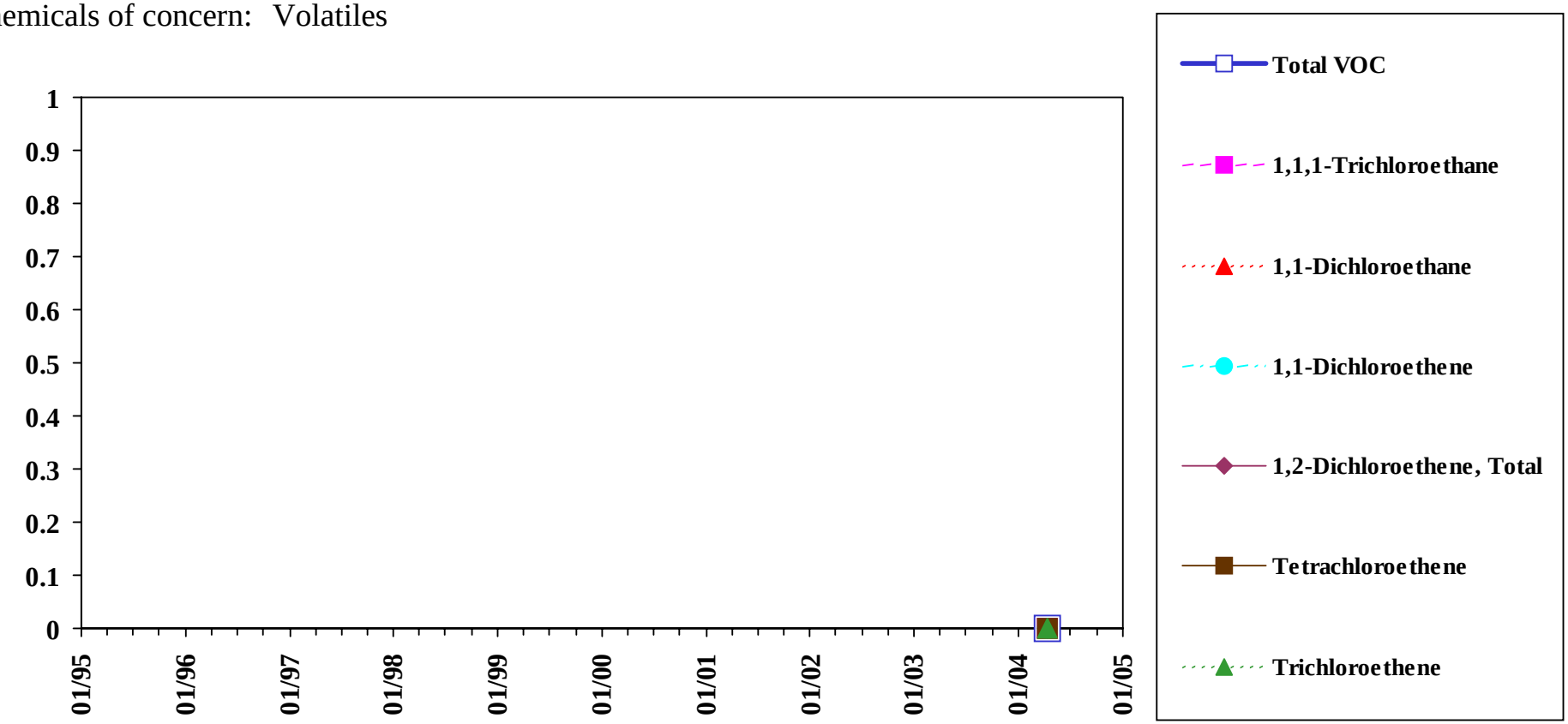
Sample Location:

MW-315A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

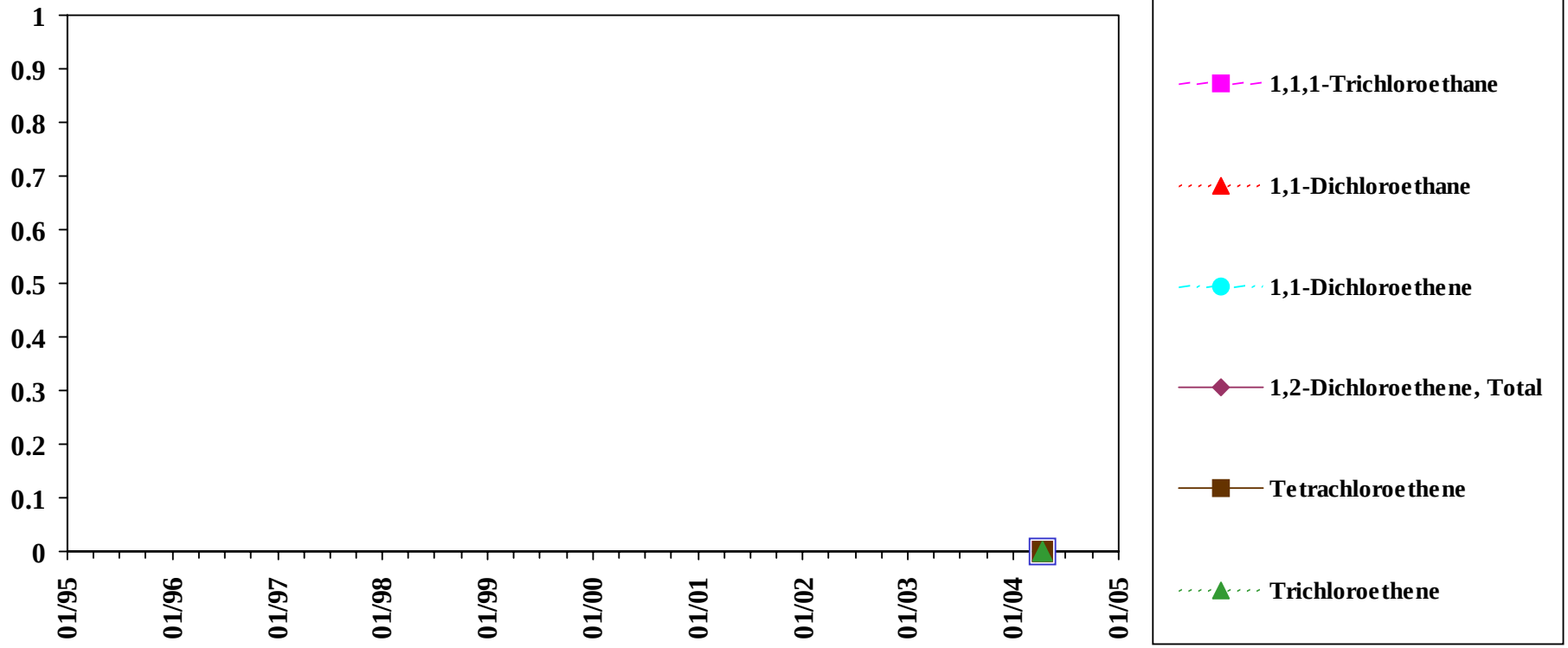
Sample Location:

MW-315A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

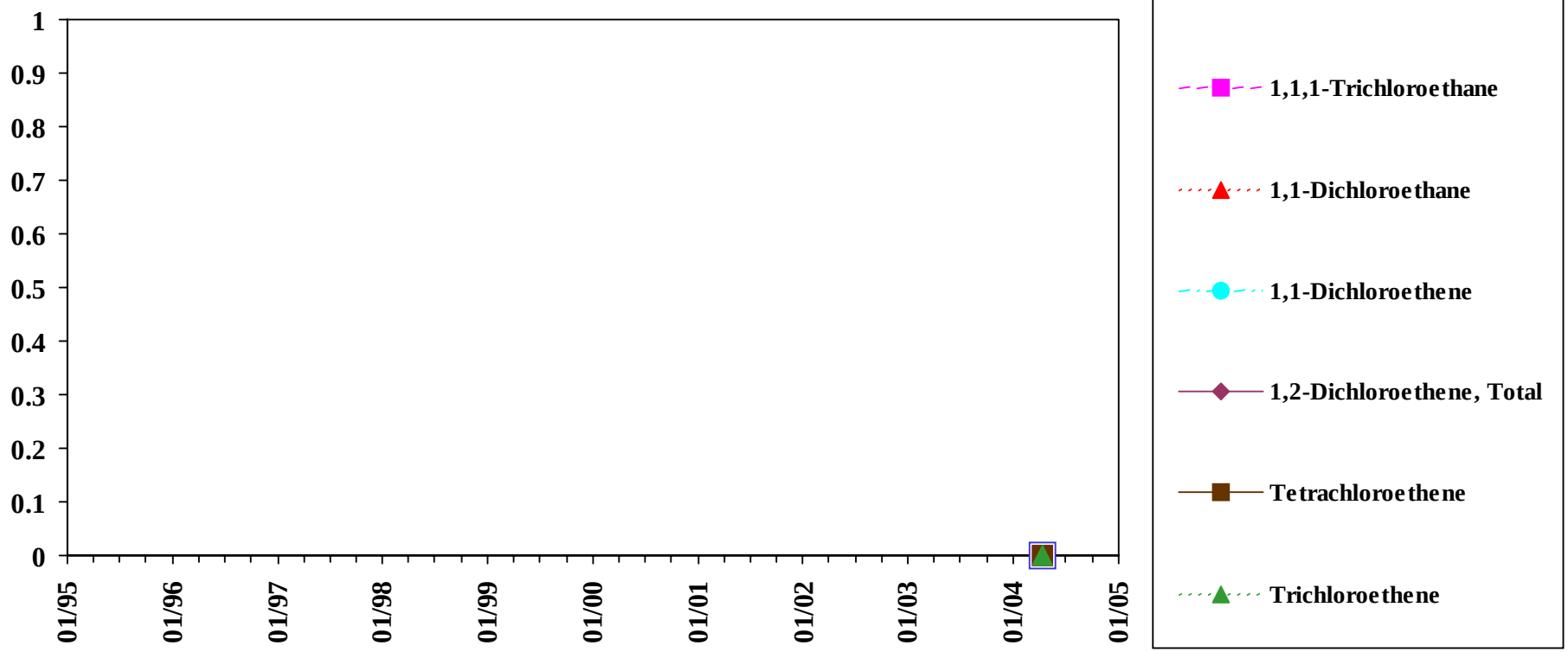
Sample Location:

MW-315A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

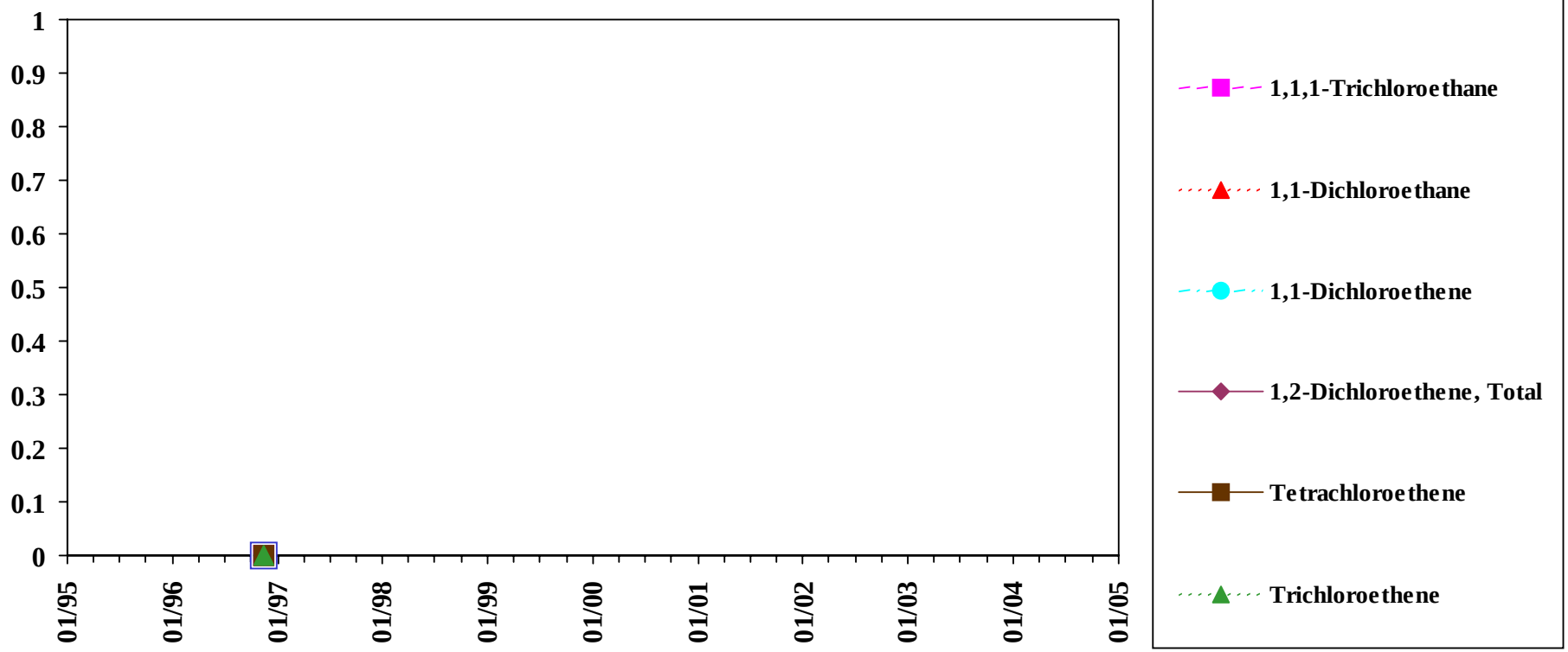
Sample Location:

MW-316A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

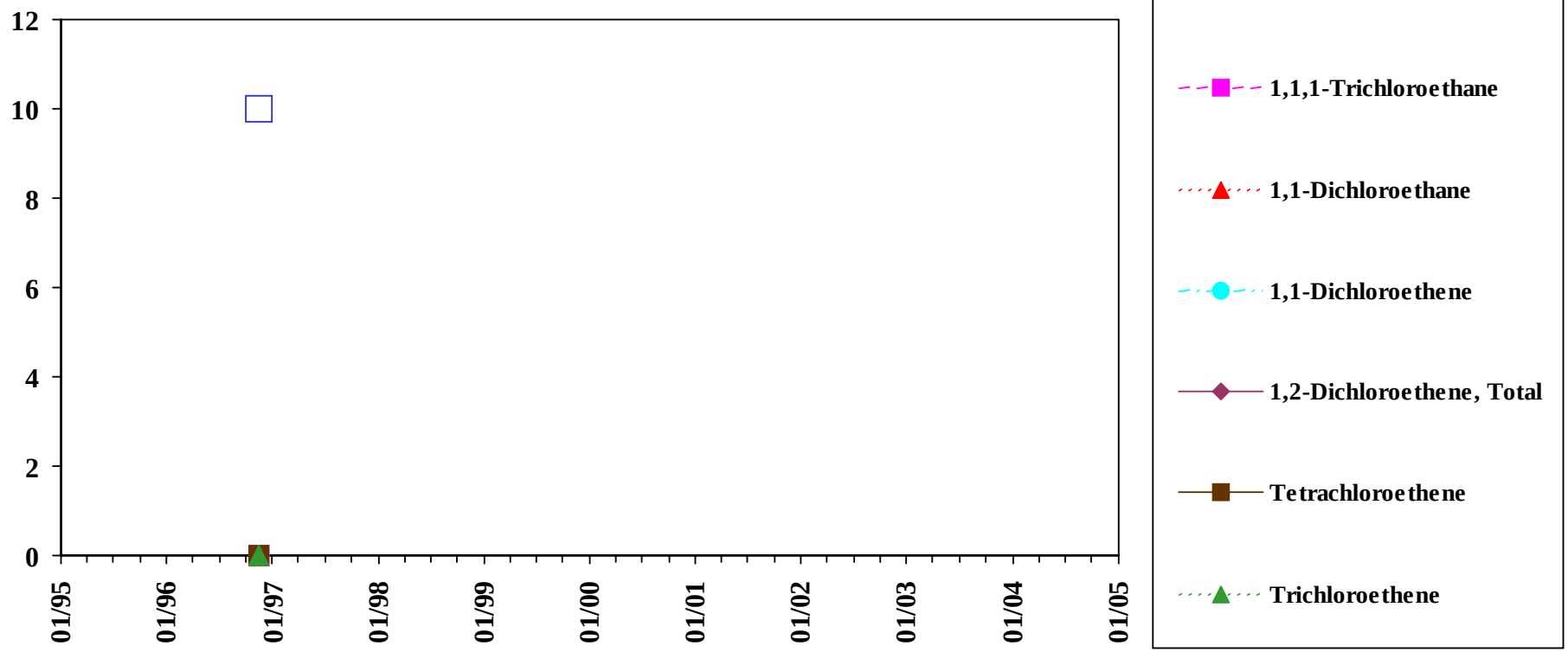
Sample Location:

MW-316B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

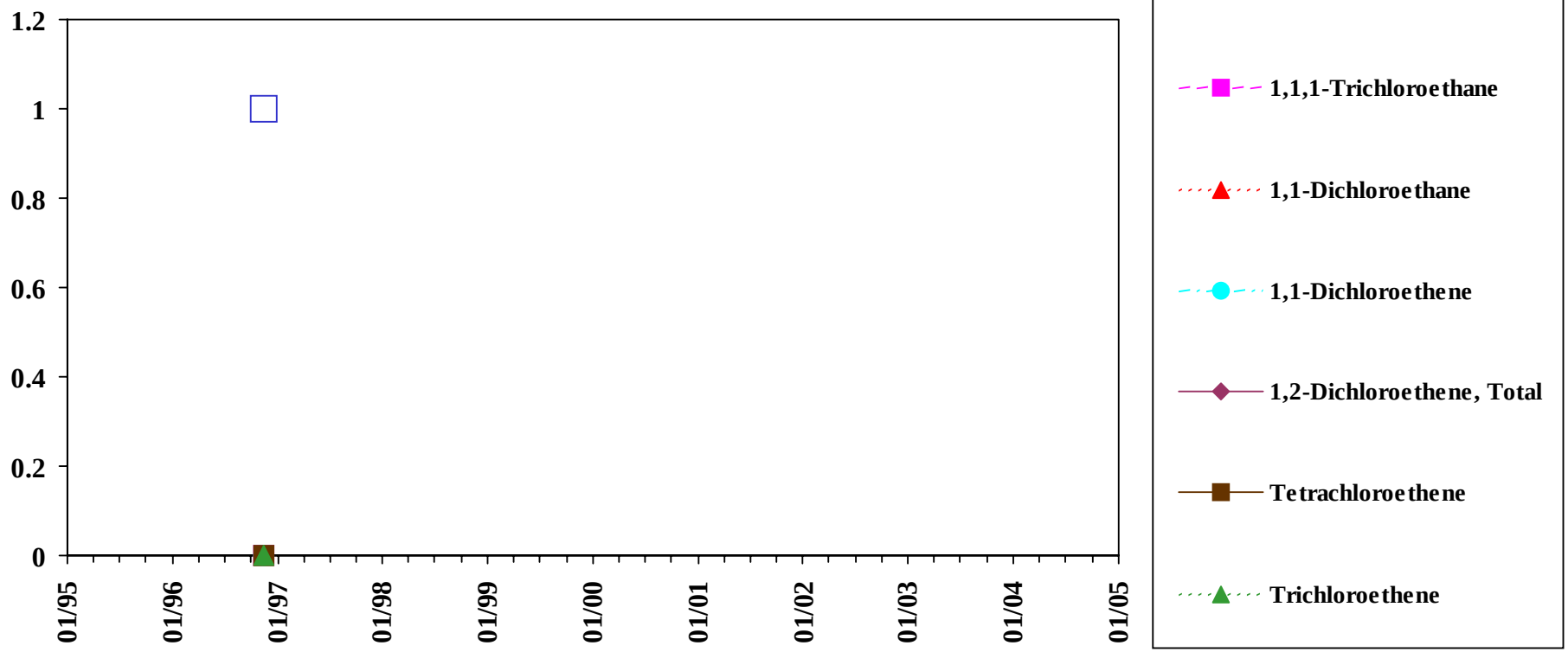
Sample Location:

MW-317A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

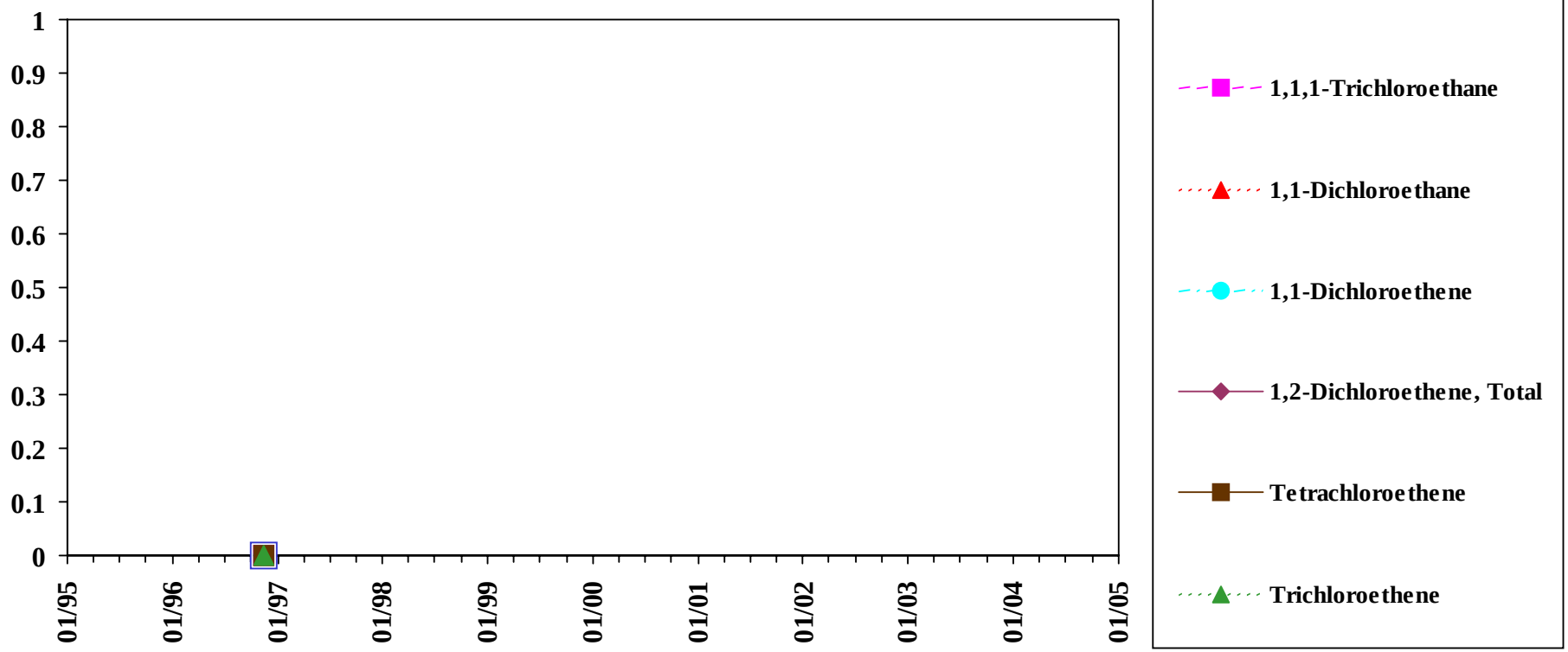
Sample Location:

MW-317B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

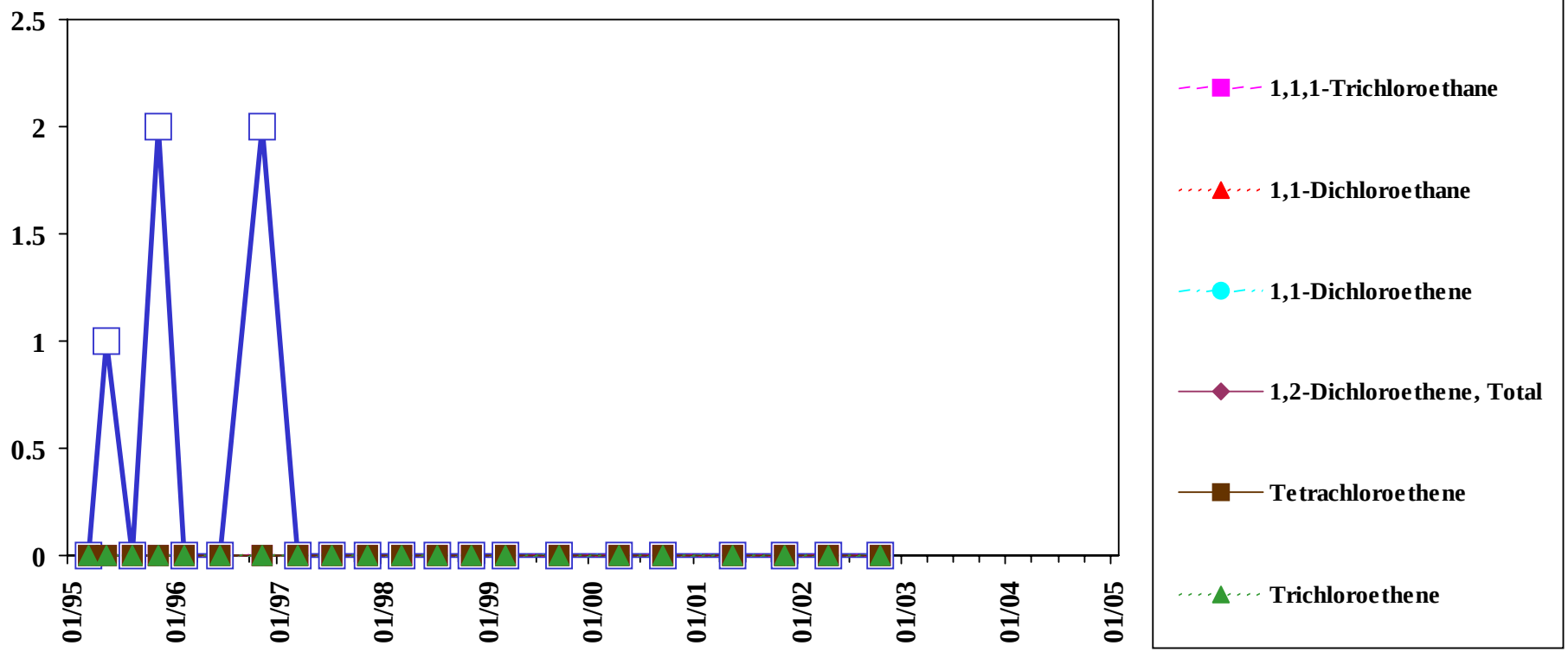
Sample Location:

MW-318

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

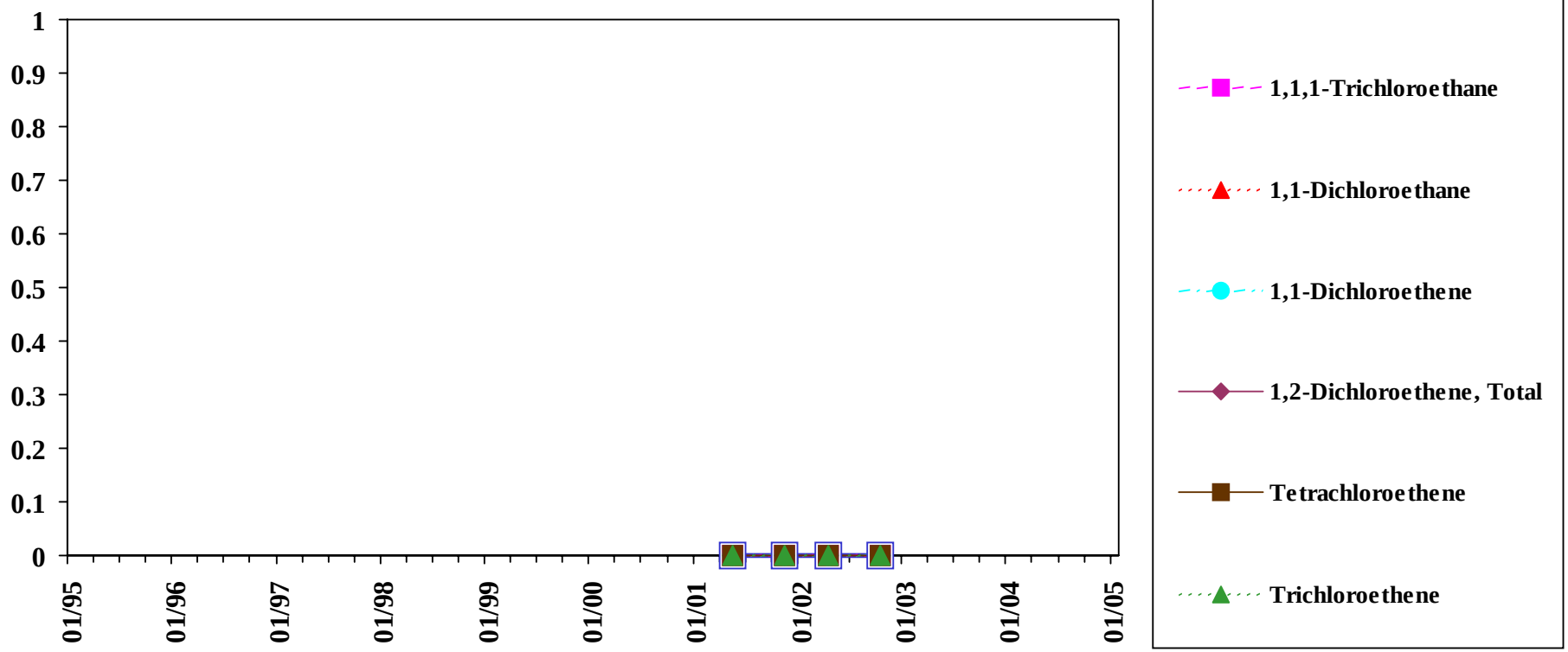
Sample Location:

MW-318

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

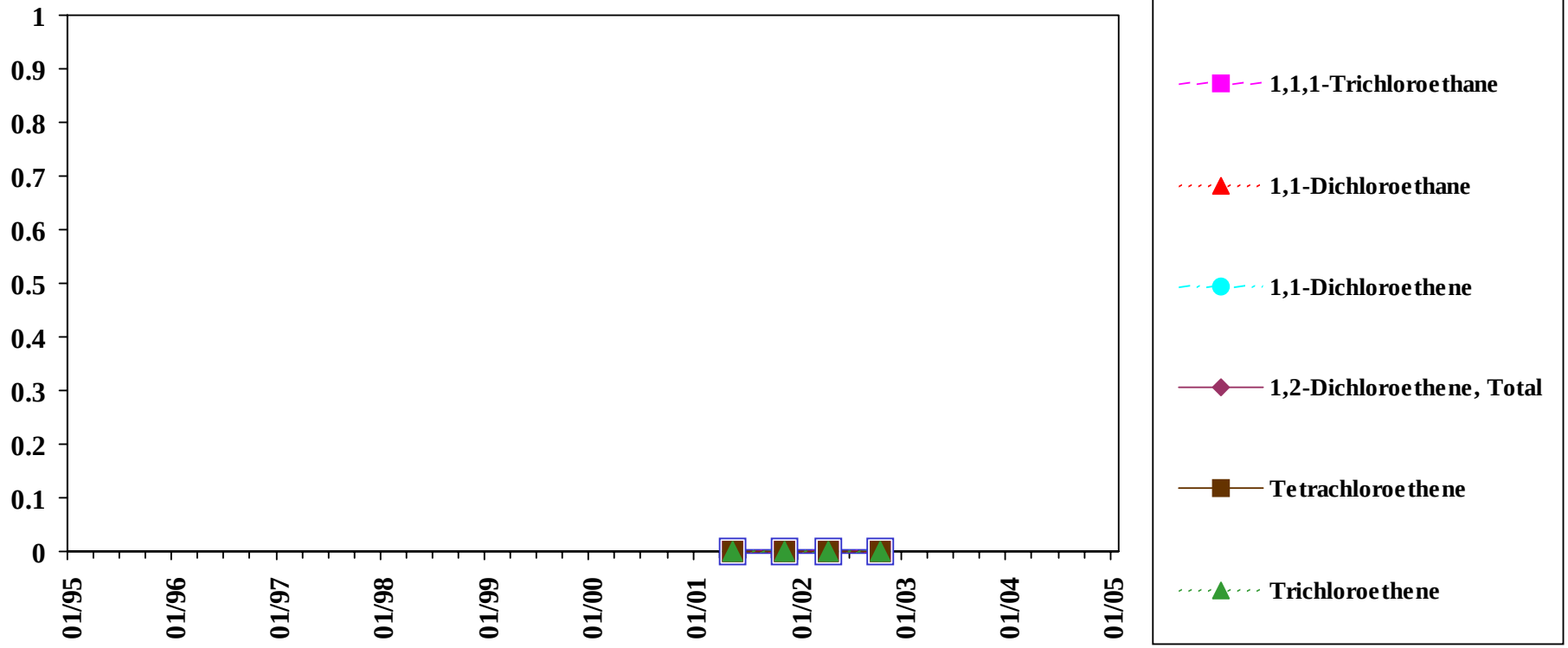
Sample Location:

MW-318

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

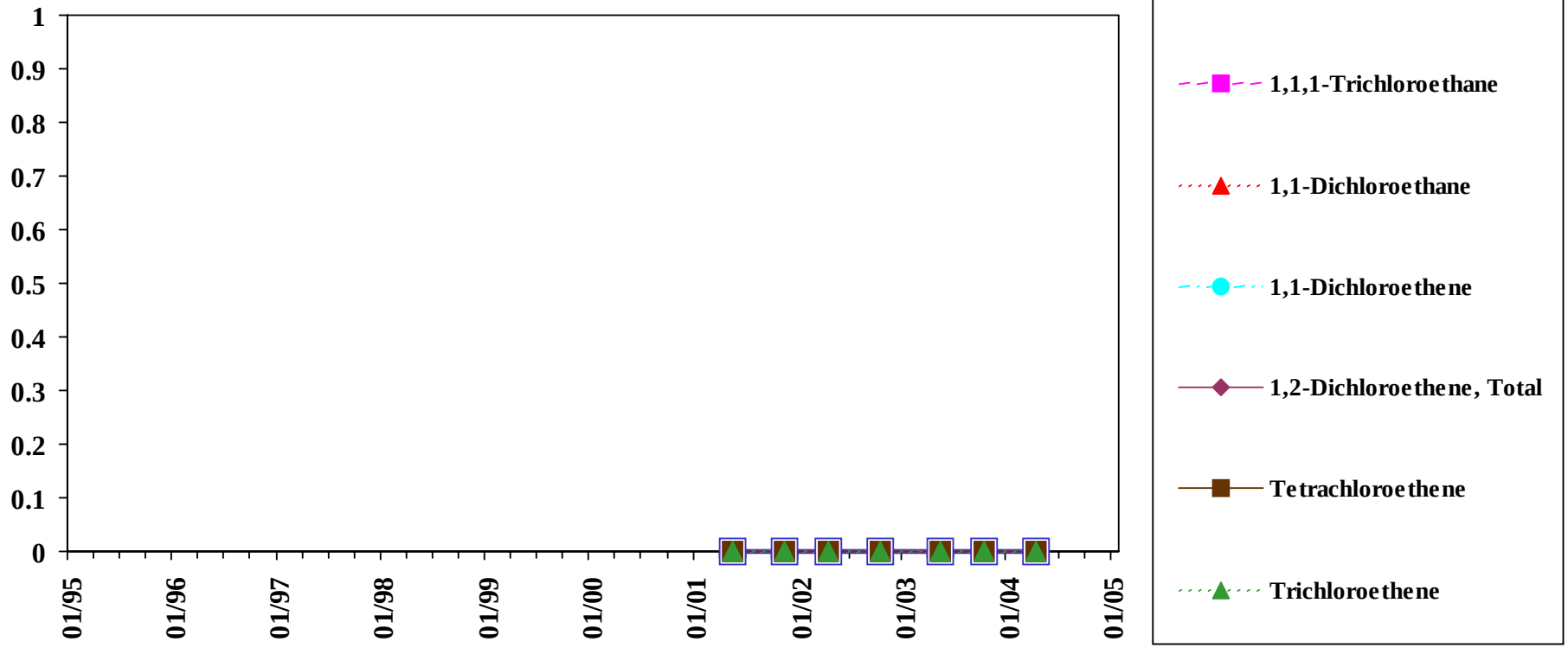
Sample Location:

MW-318

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

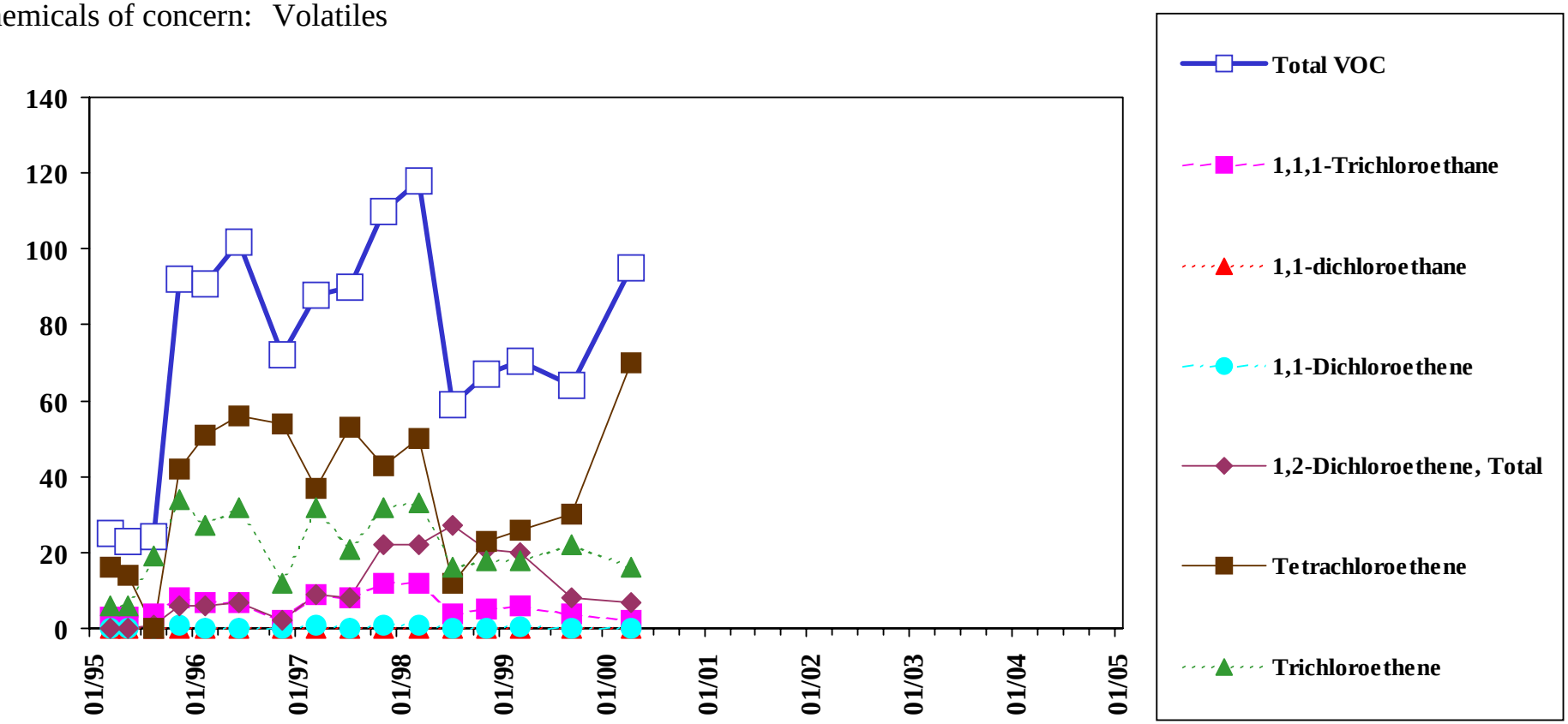
Sample Location:

MW-319

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

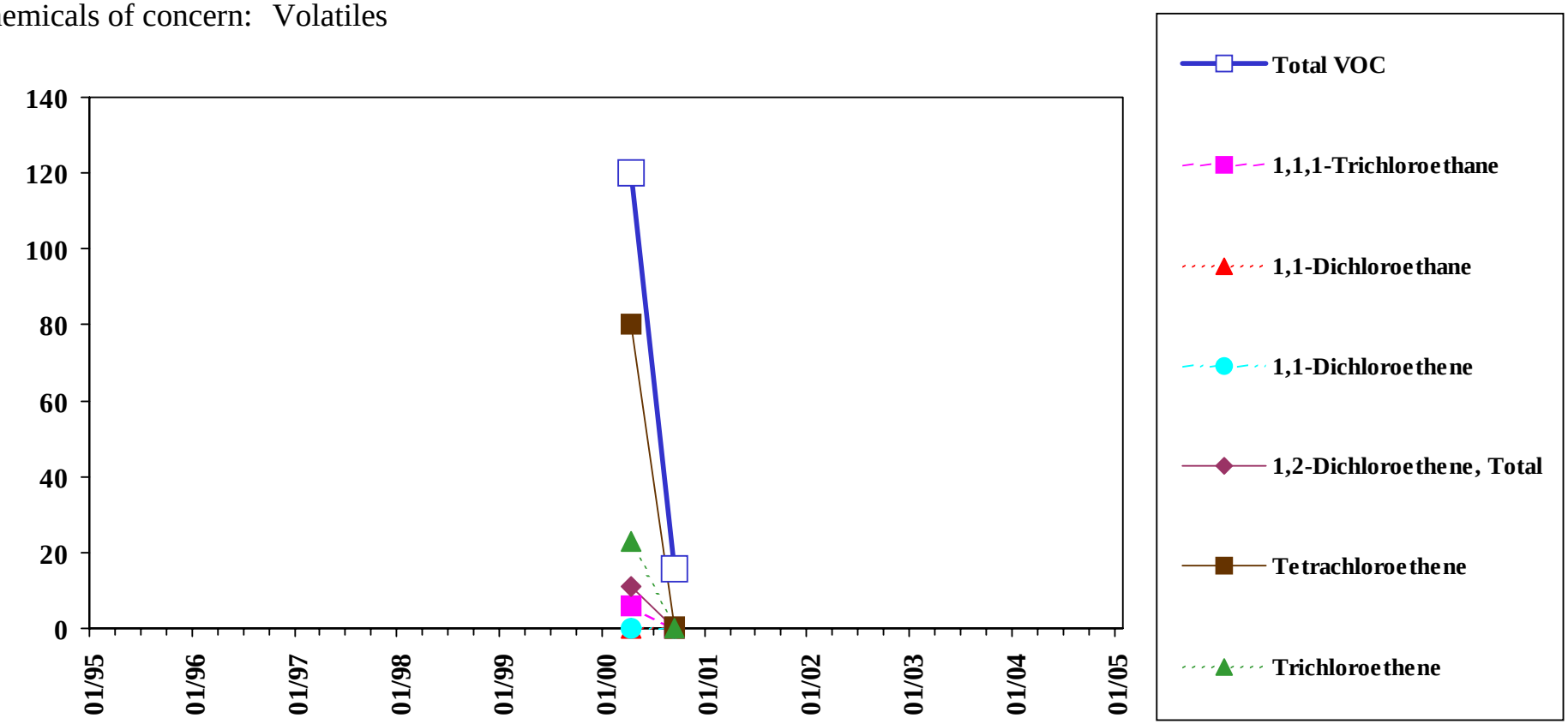
Sample Location:

MW-319

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

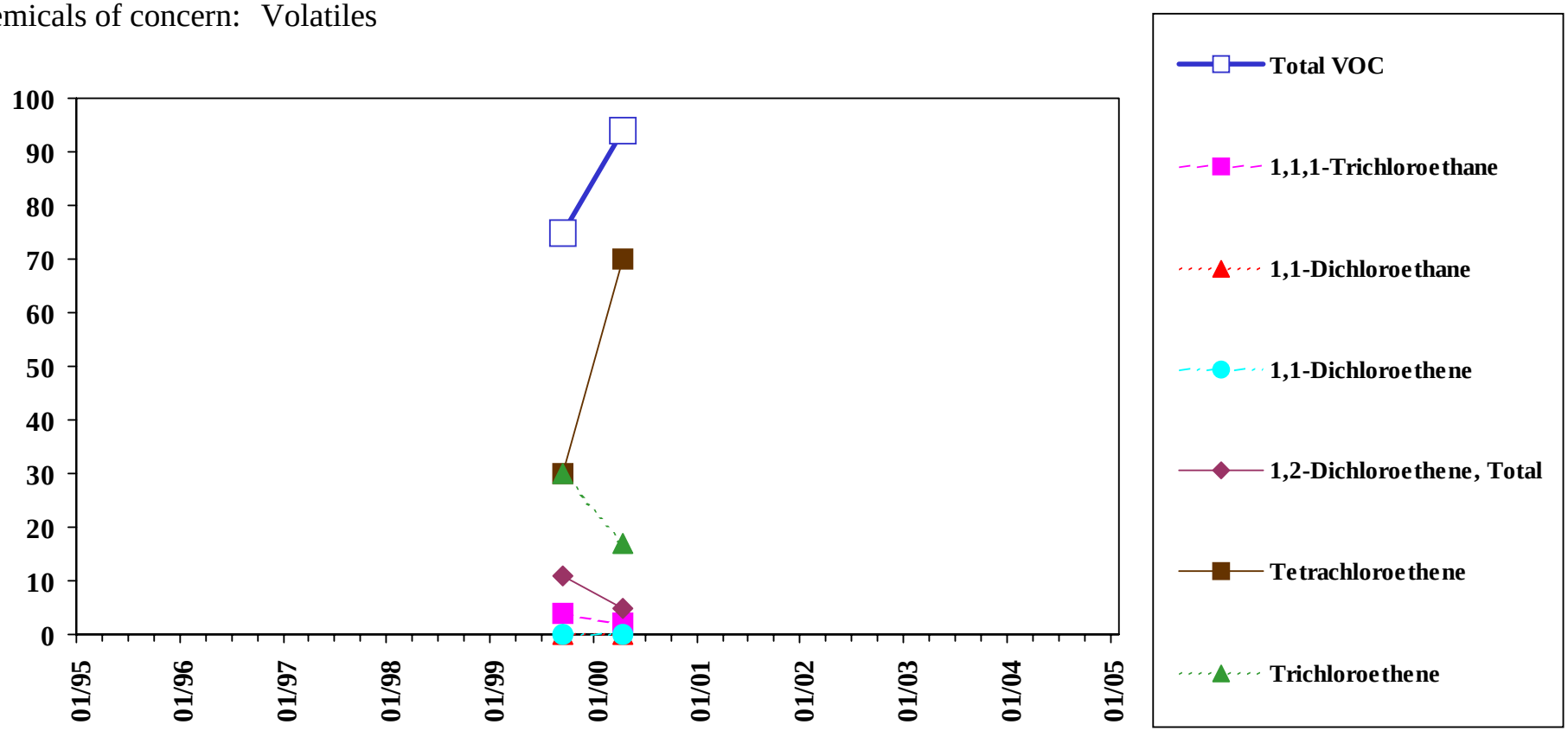
Sample Location:

MW-319

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

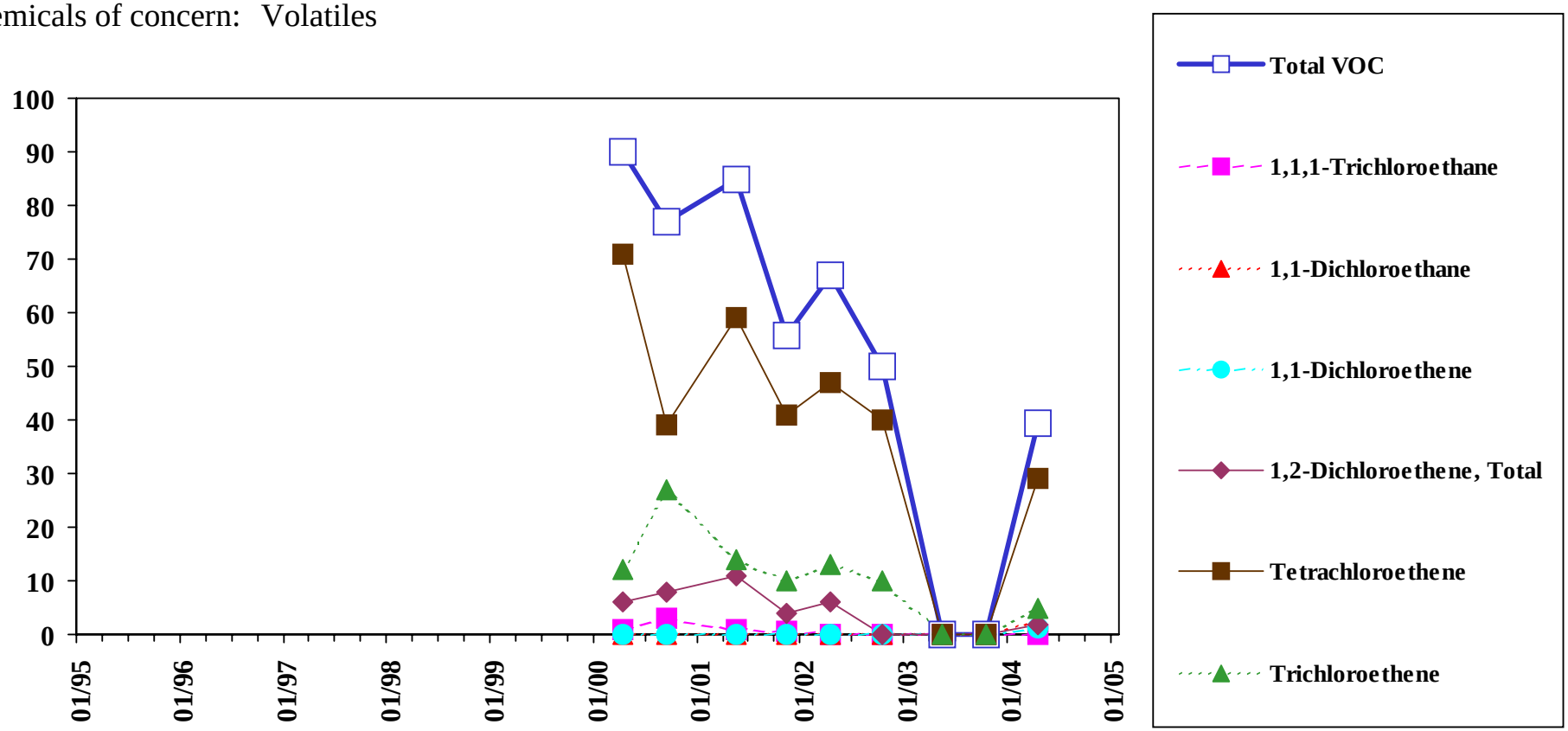
Sample Location:

MW-319

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

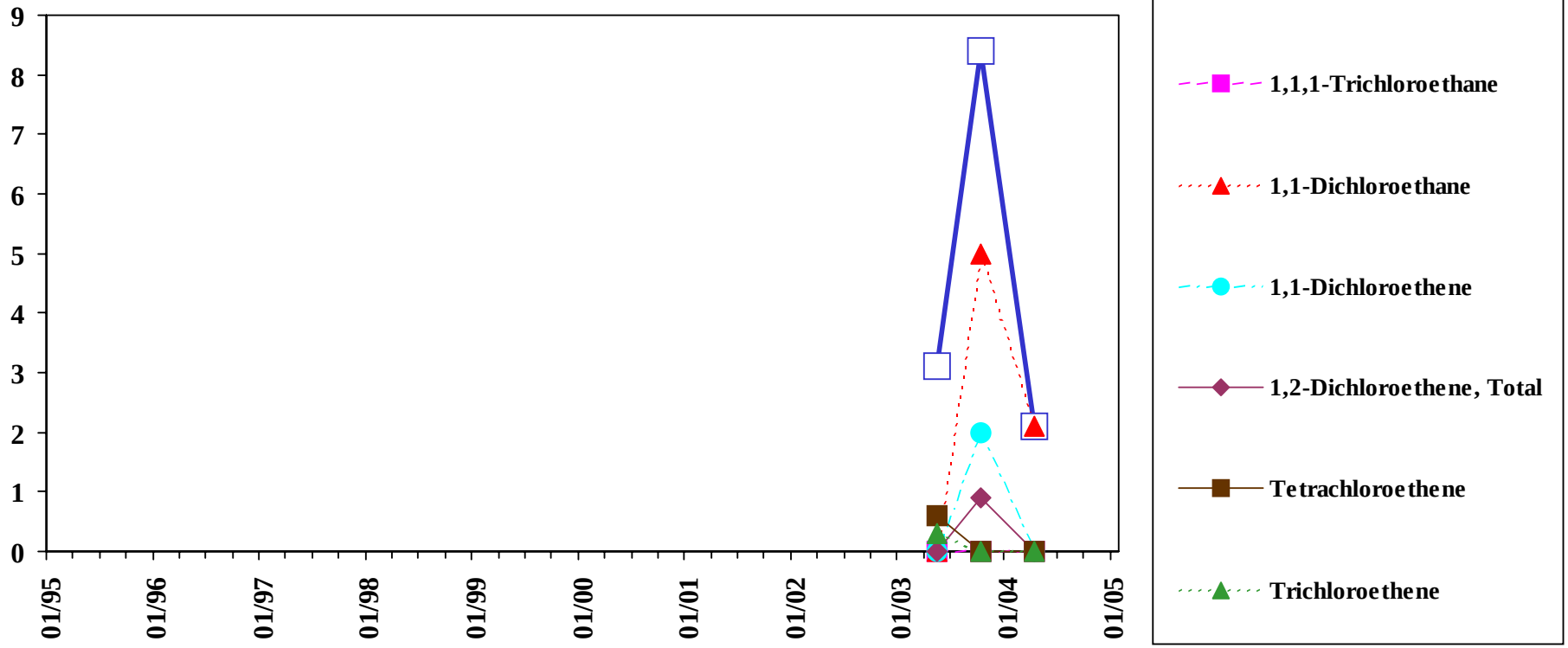
Sample Location:

MW-323

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

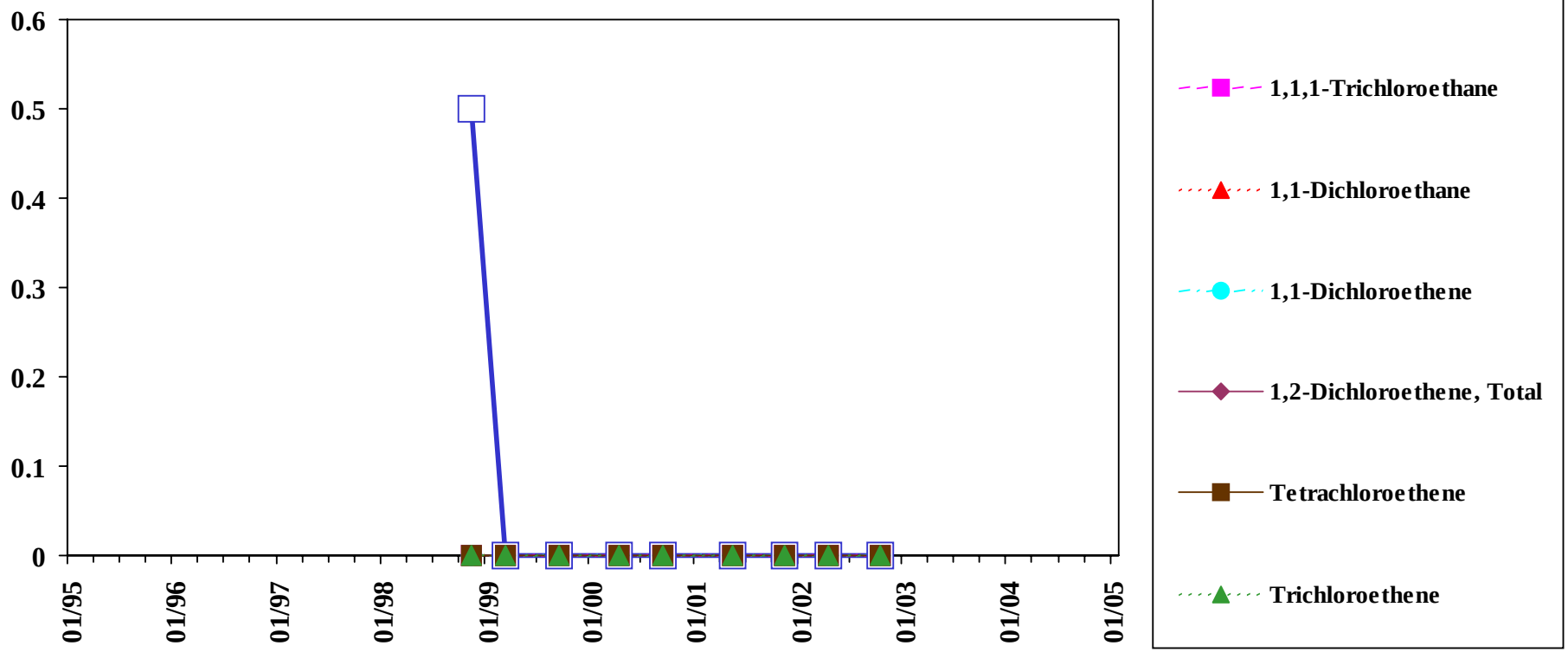
Sample Location:

MW-330

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

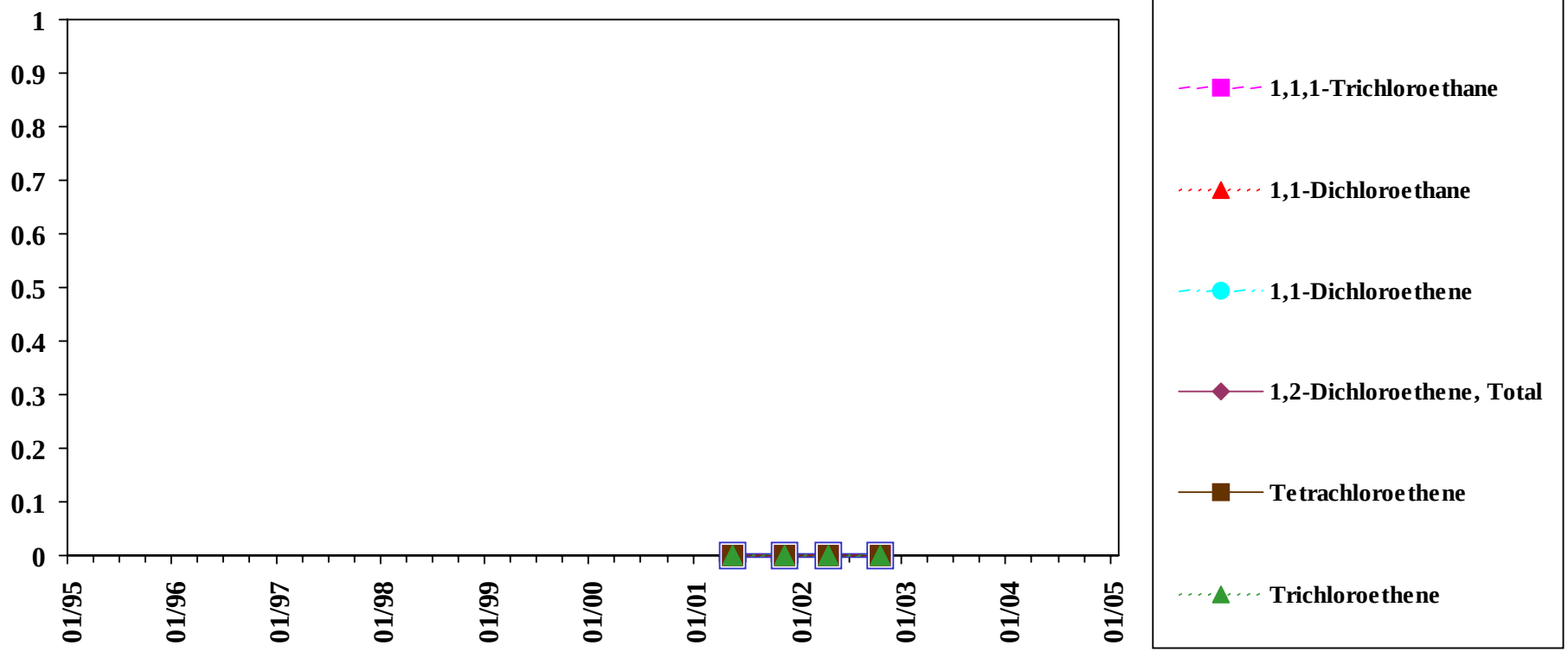
Sample Location:

MW-330

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

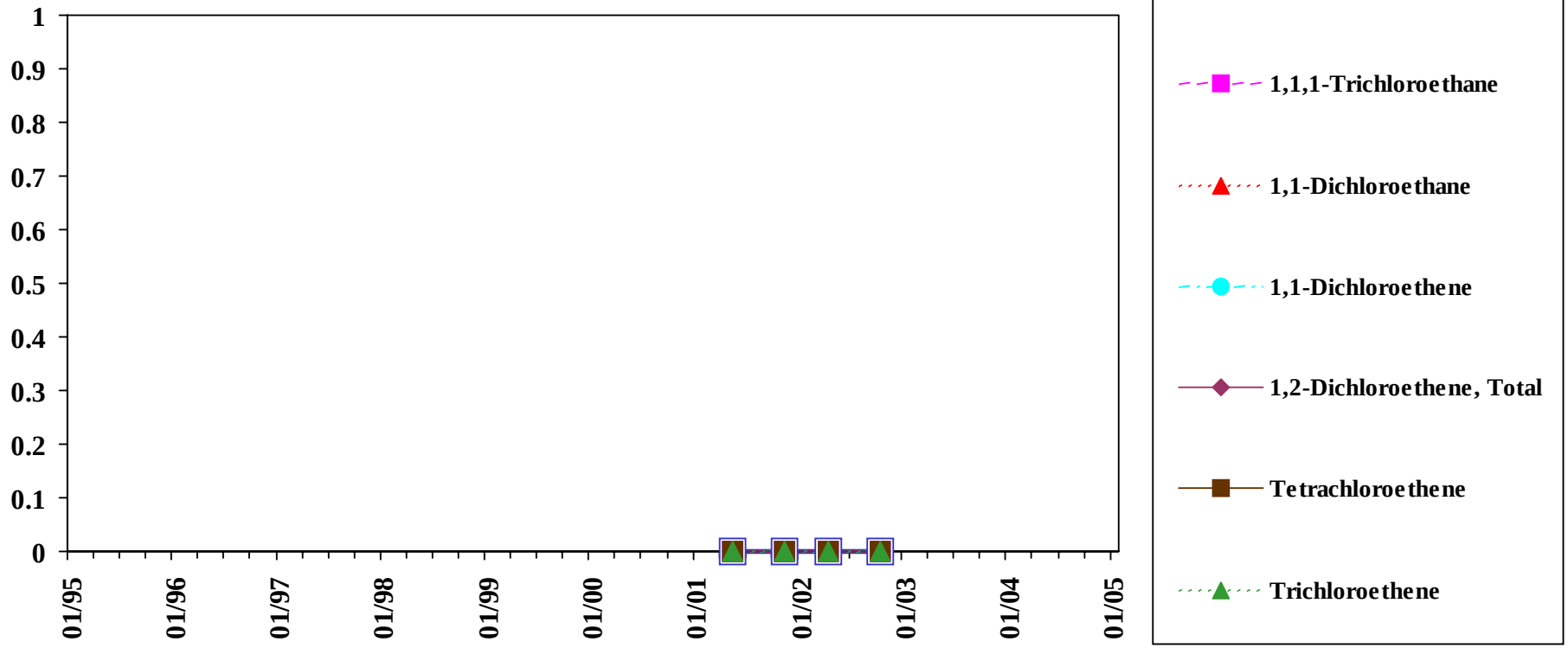
Sample Location:

MW-330

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

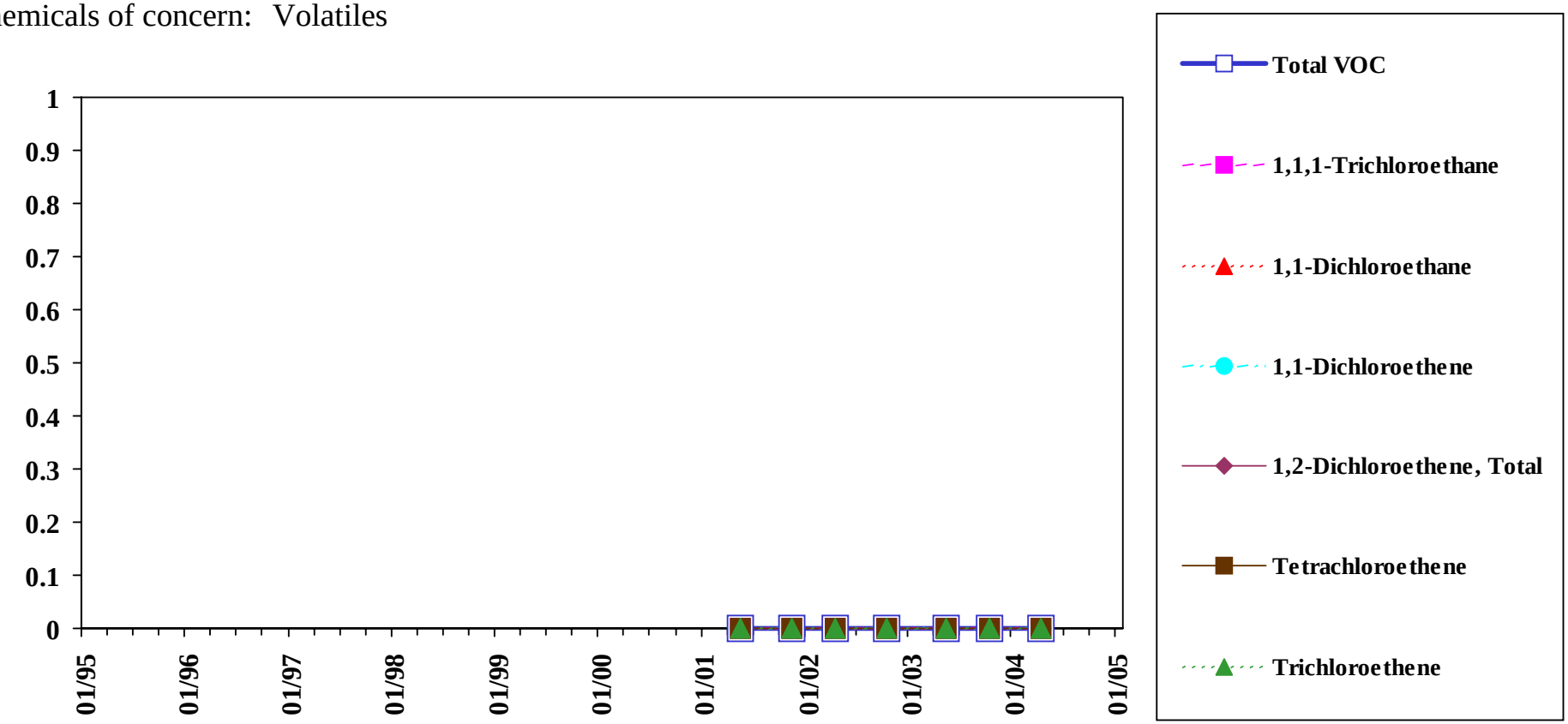
Sample Location:

MW-330

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

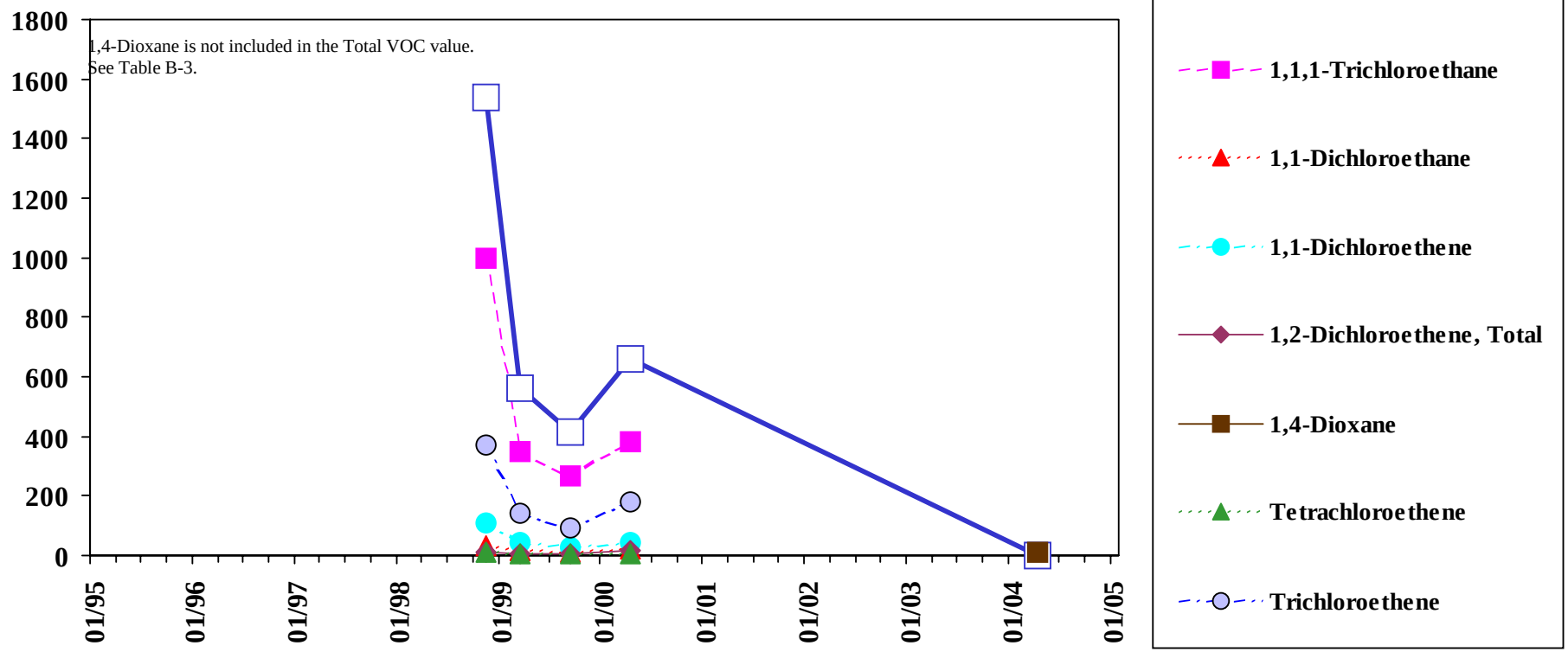
Sample Location:

MW-331

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

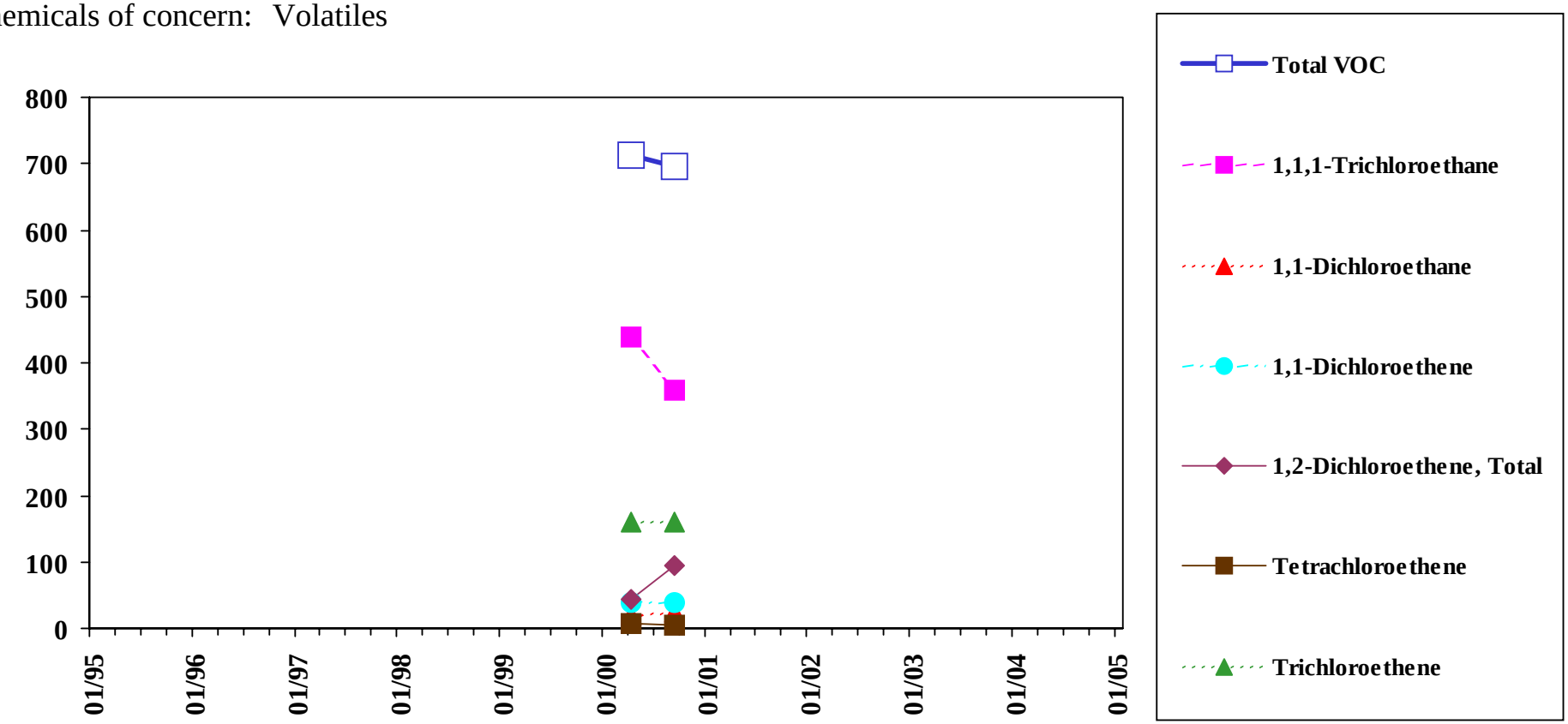
Sample Location:

MW-331

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

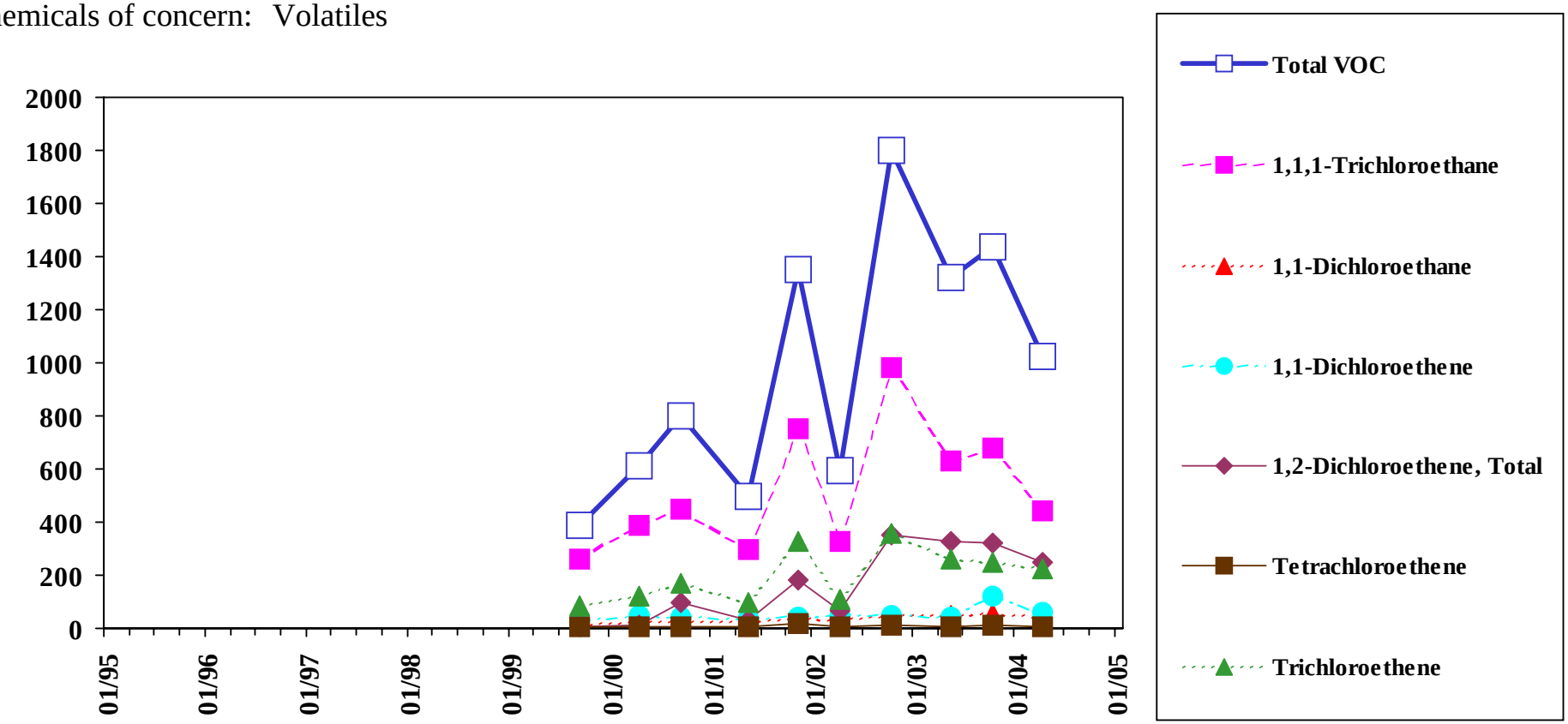
Sample Location:

MW-331

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

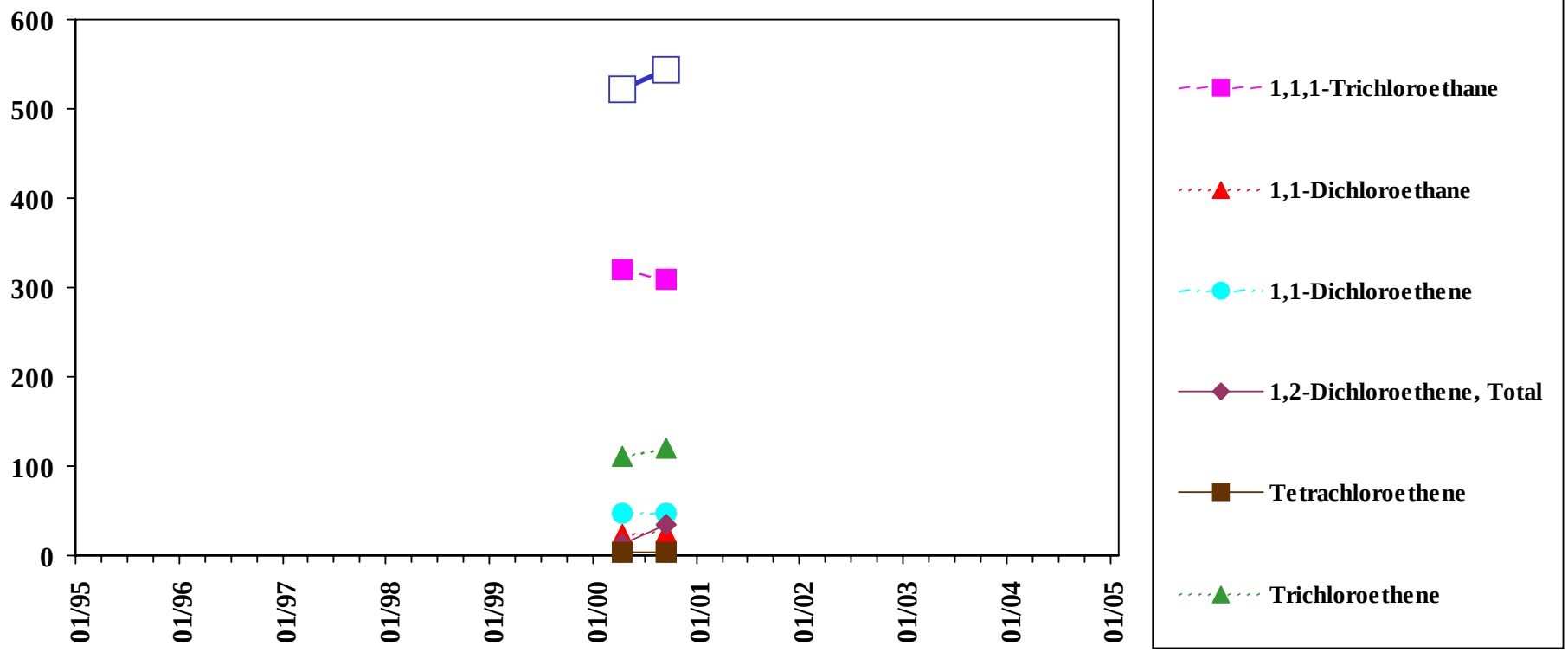
Sample Location:

MW-331

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

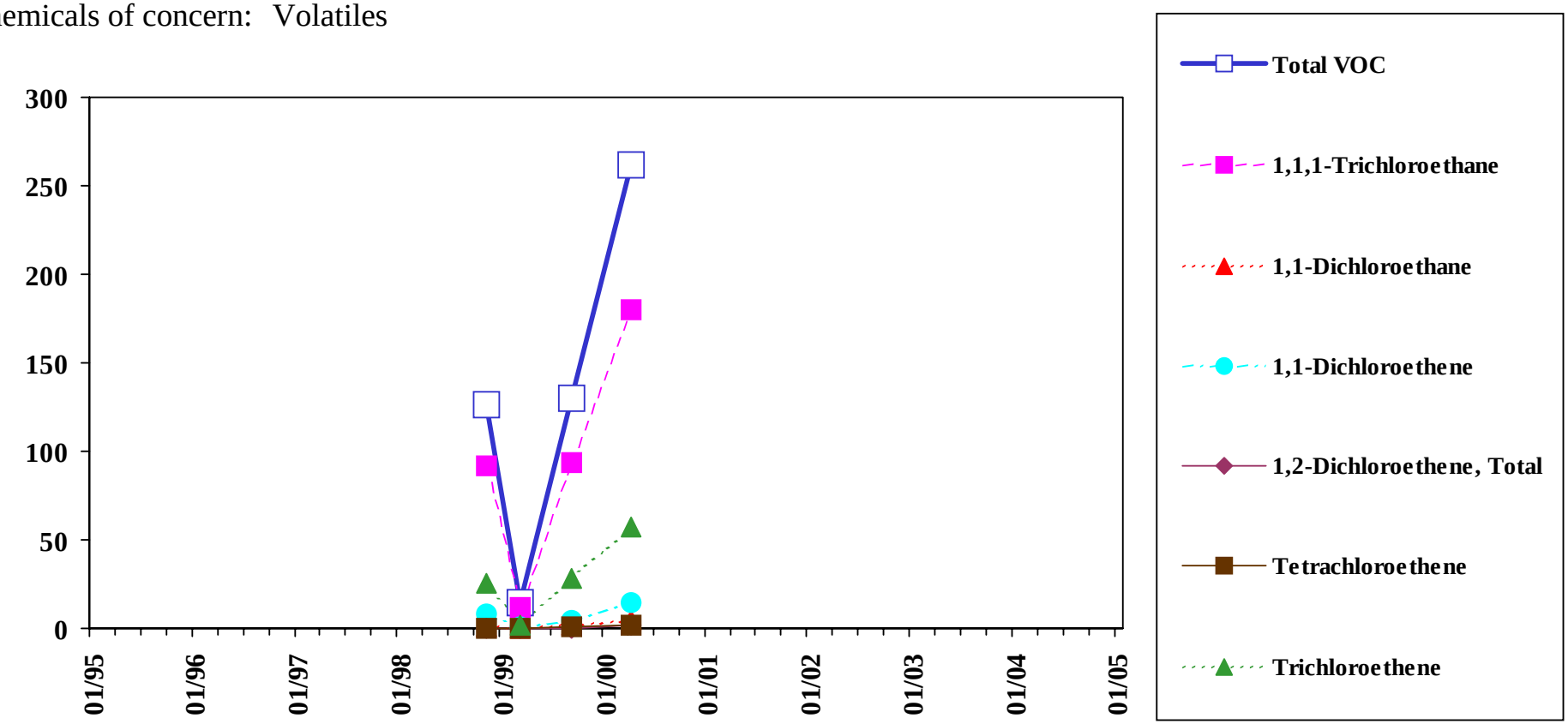
Sample Location:

MW-332

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

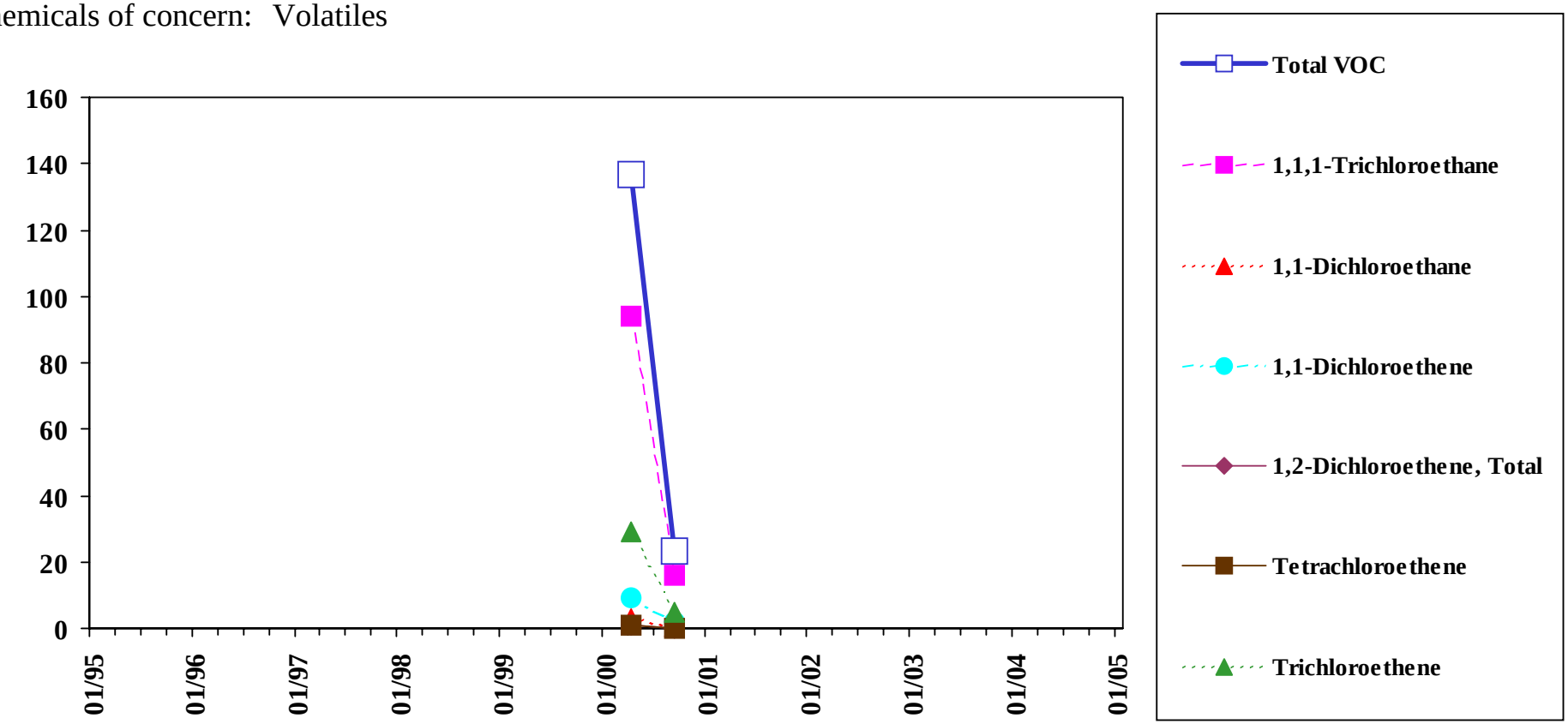
Sample Location:

MW-332

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

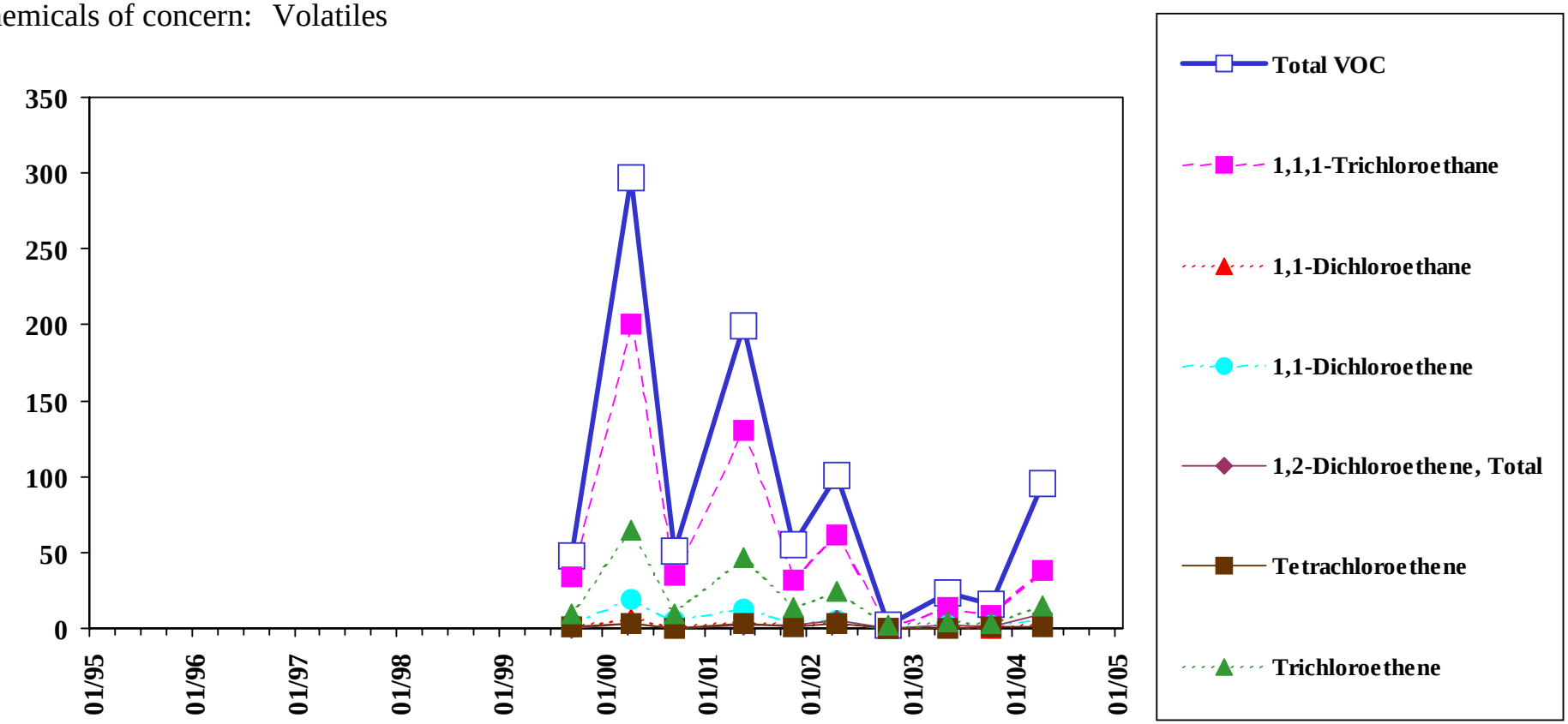
Sample Location:

MW-332

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

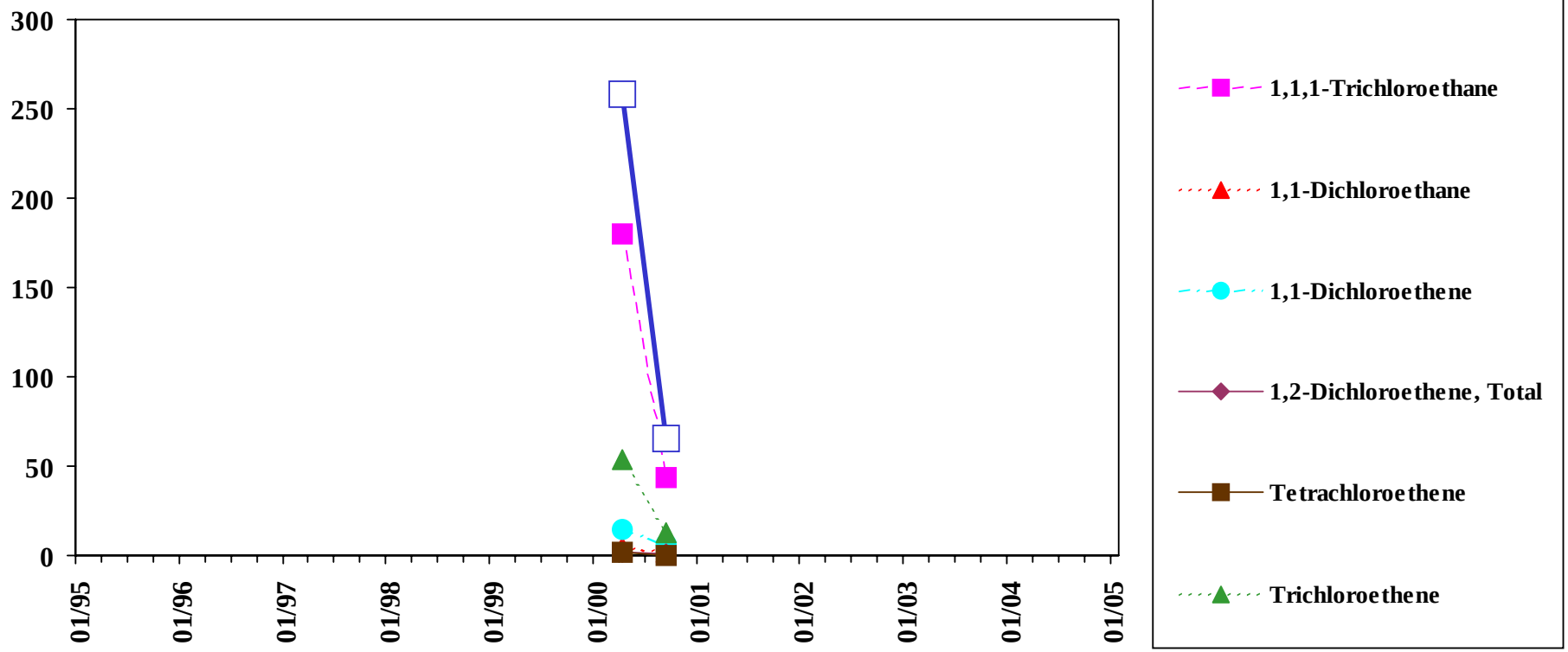
Sample Location:

MW-332

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

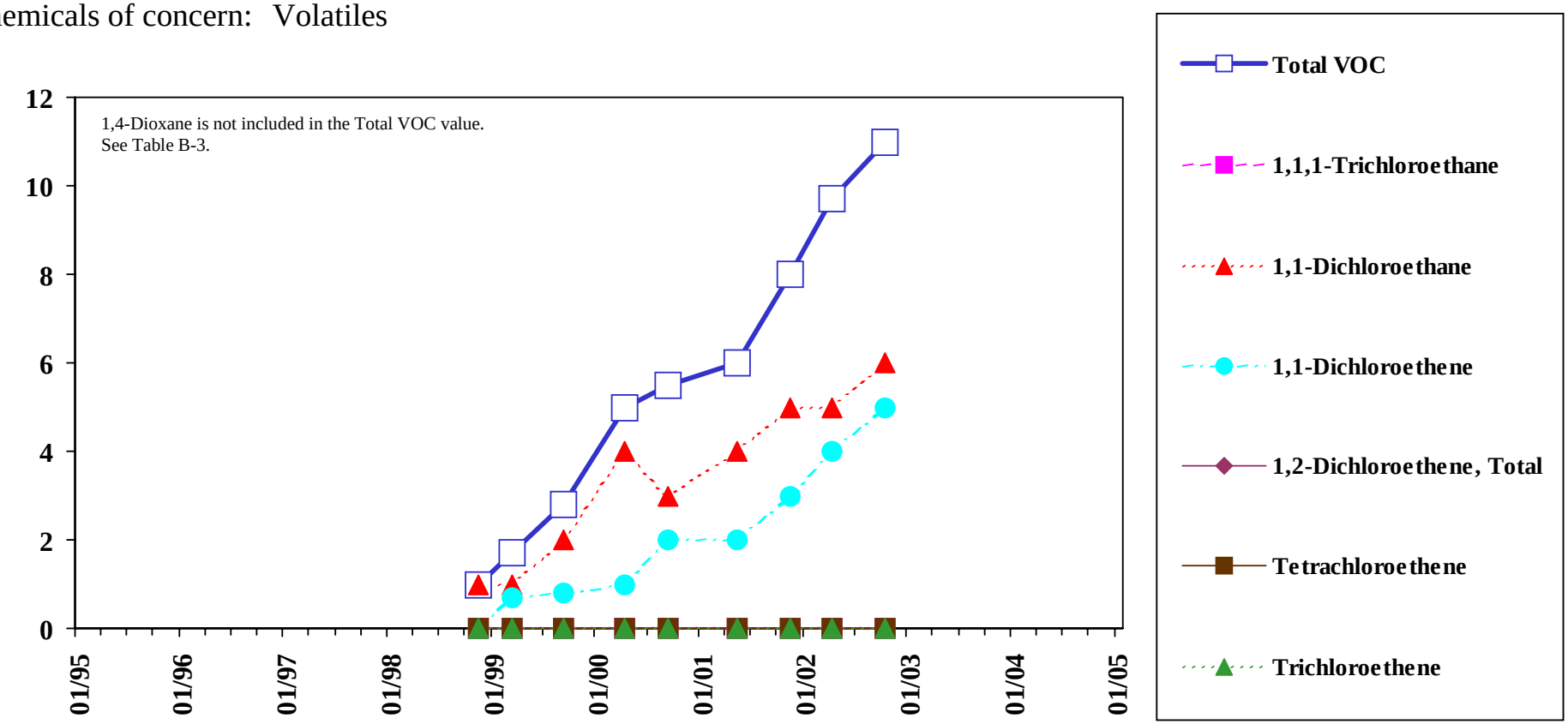
Sample Location:

MW-333

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

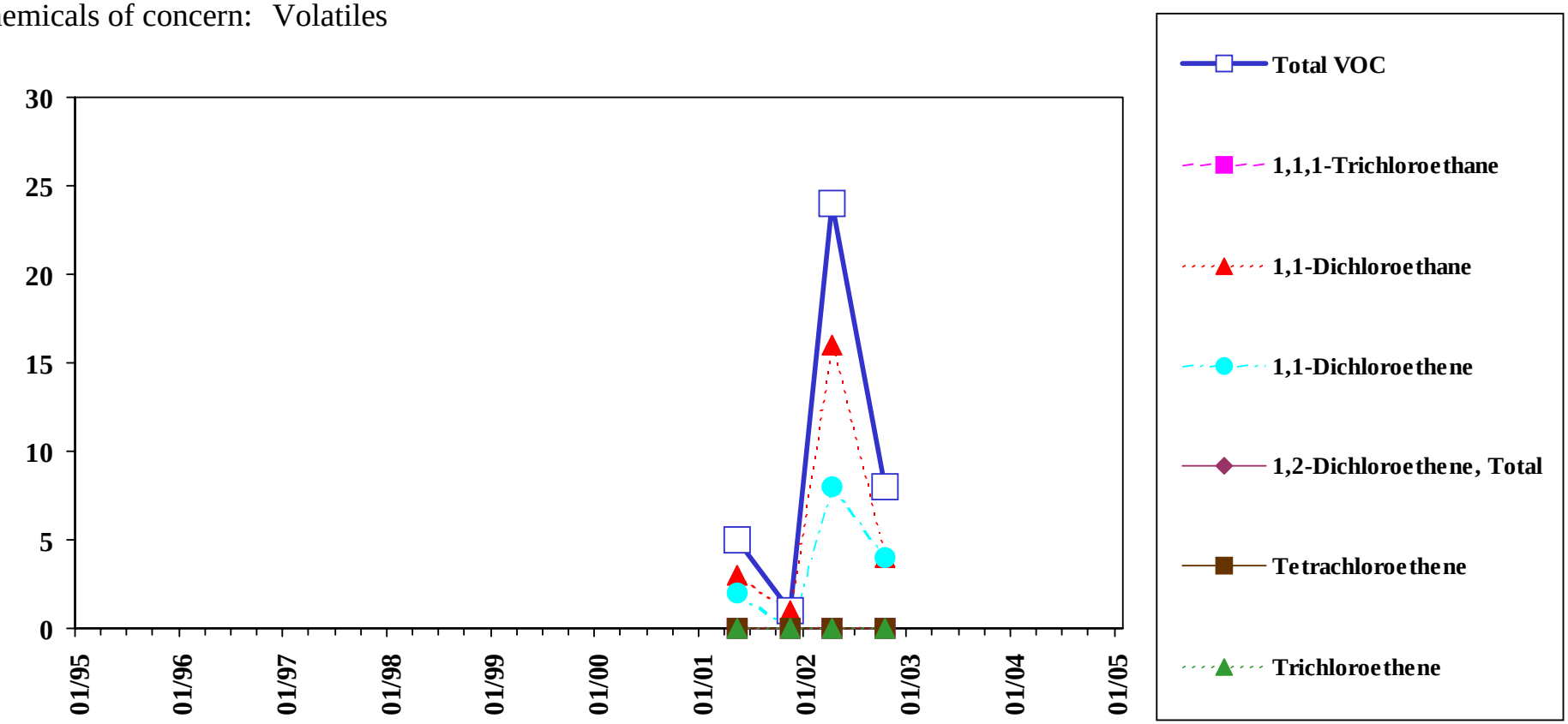
Sample Location:

MW-333

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

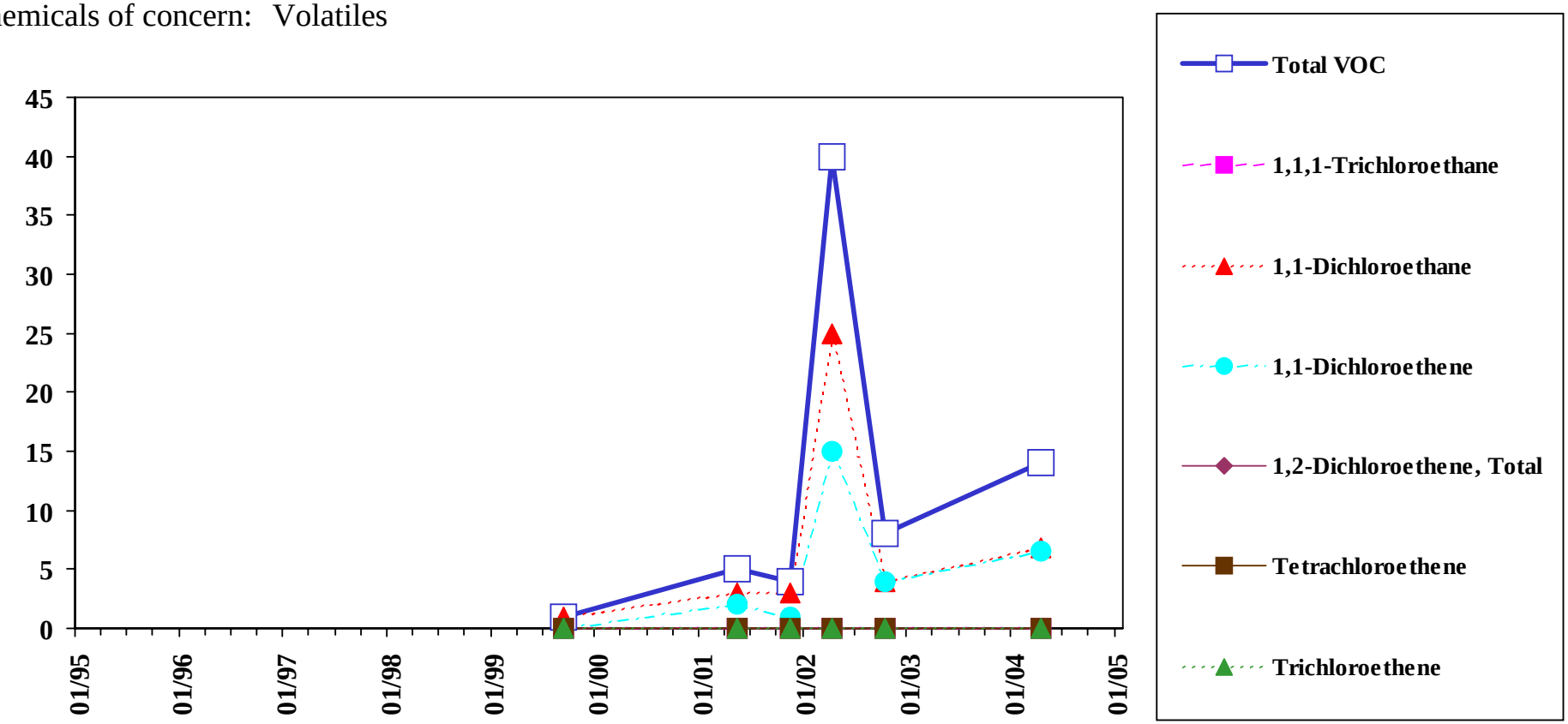
Sample Location:

MW-333

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

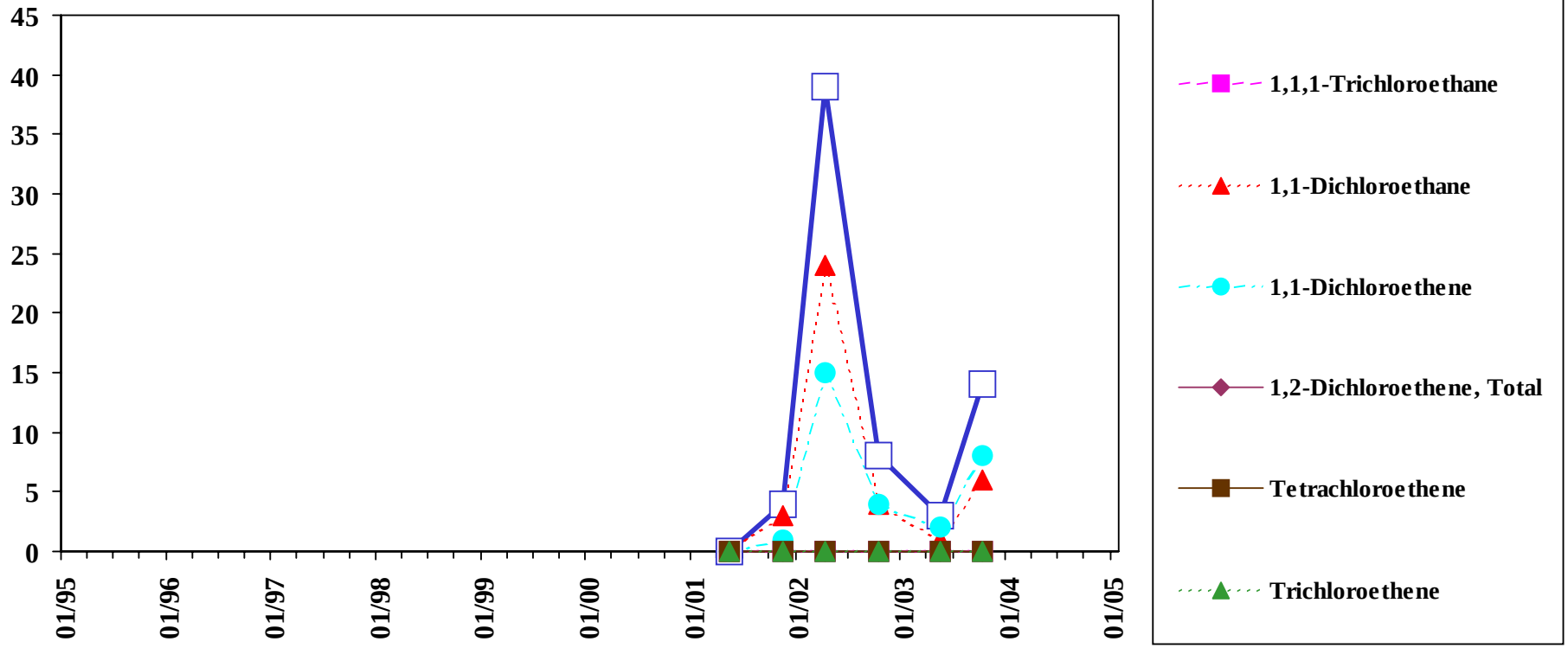
Sample Location:

MW-333

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

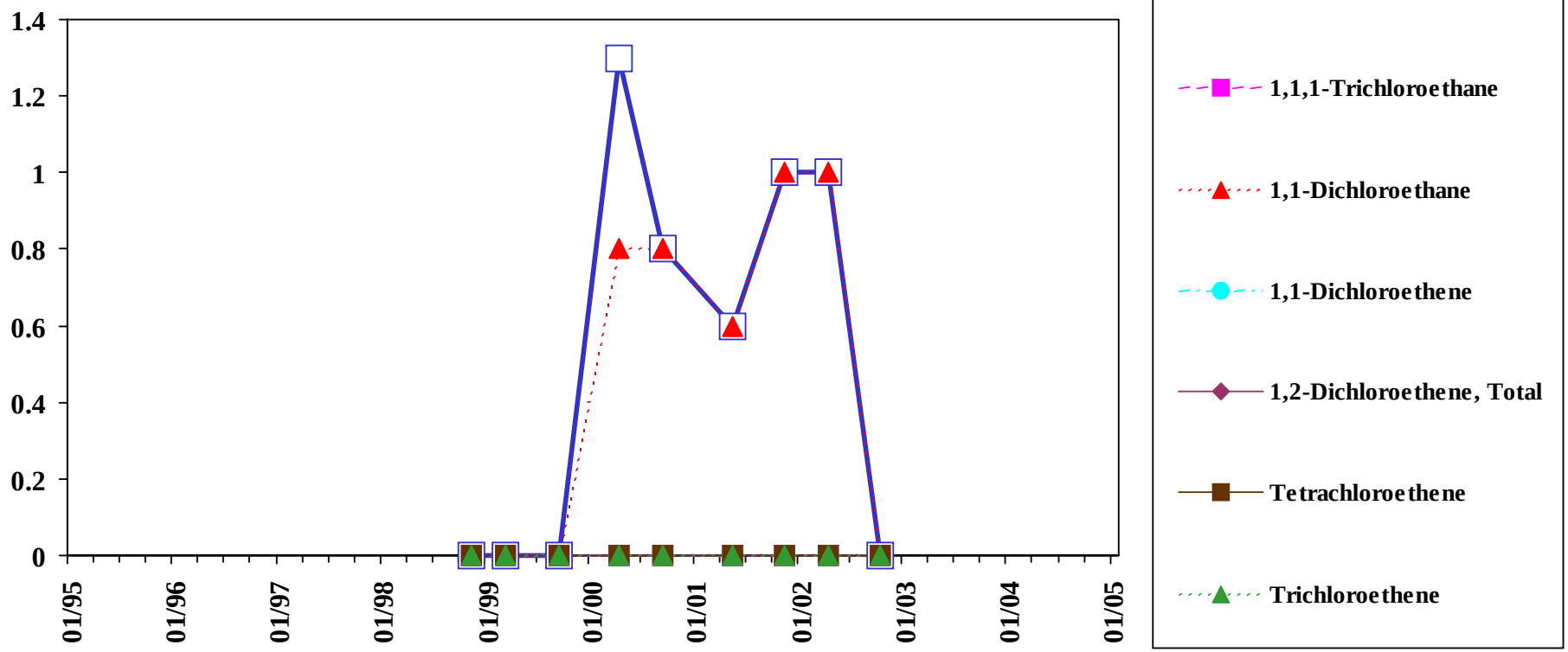
Sample Location:

MW-334

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

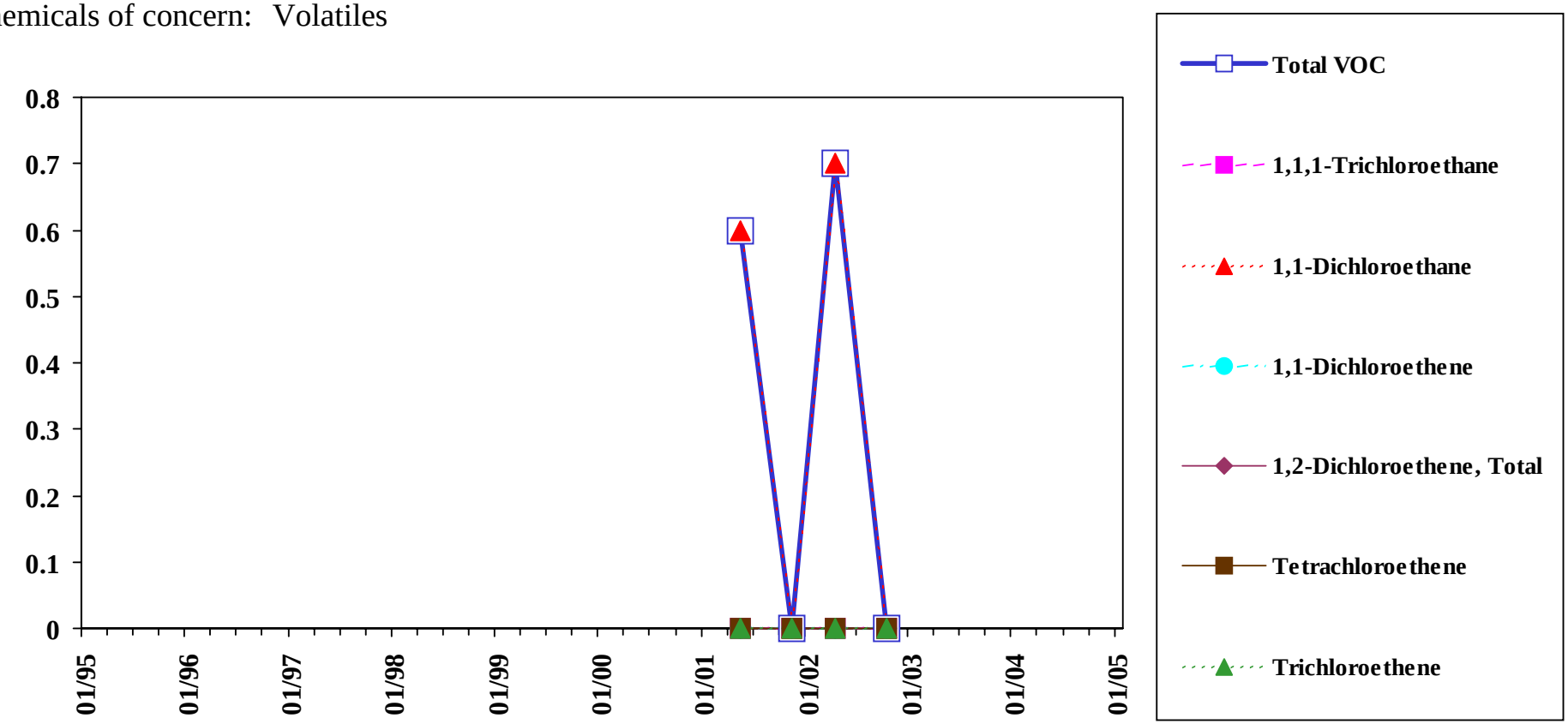
Sample Location:

MW-334

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

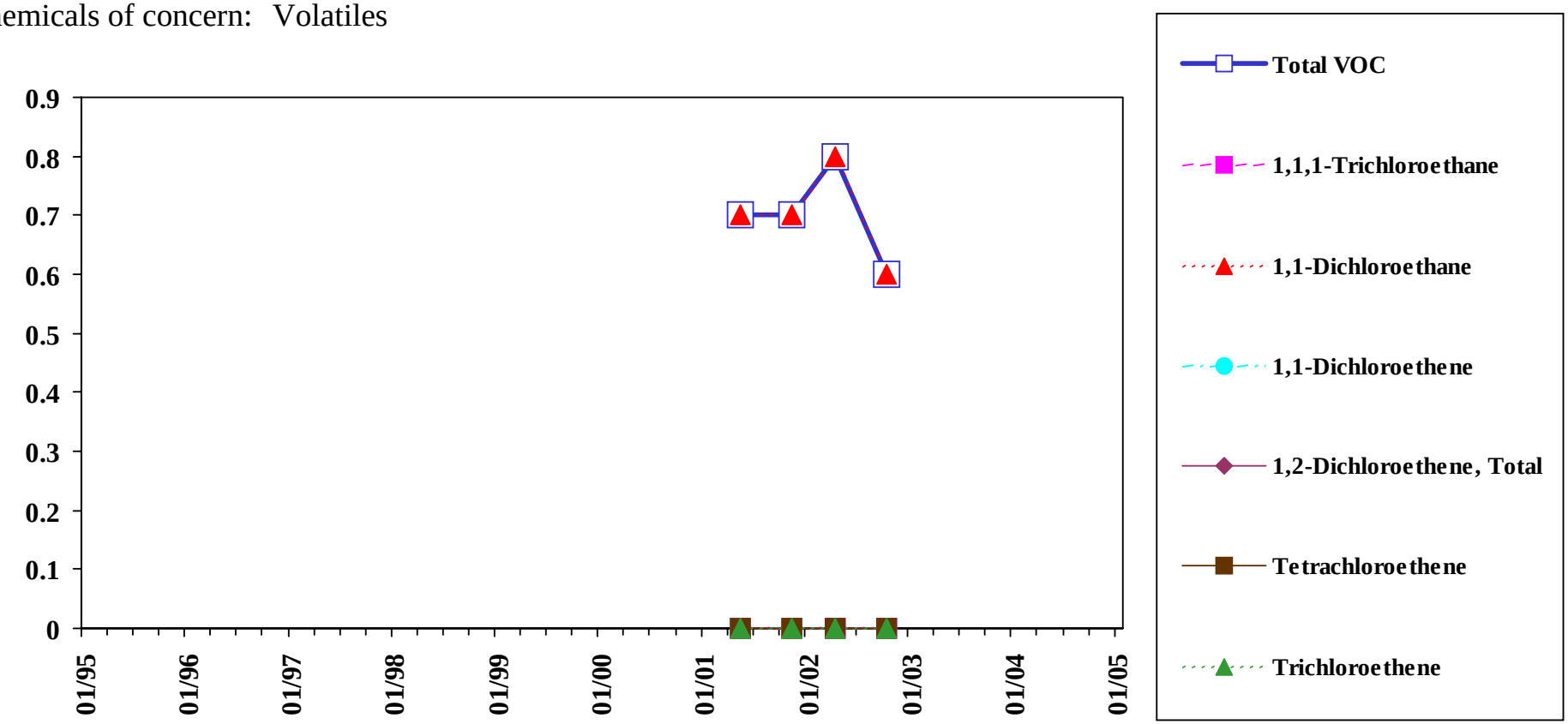
Sample Location:

MW-334

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

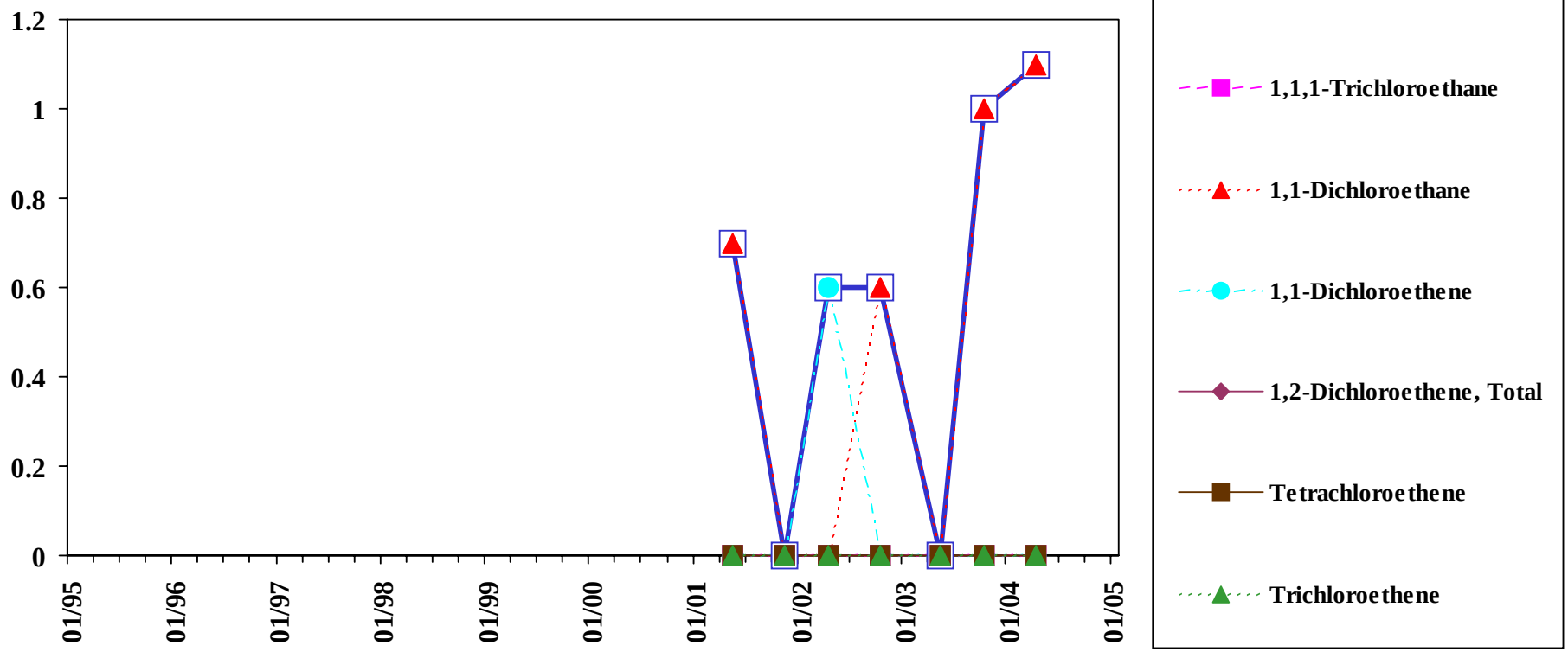
Sample Location:

MW-334

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

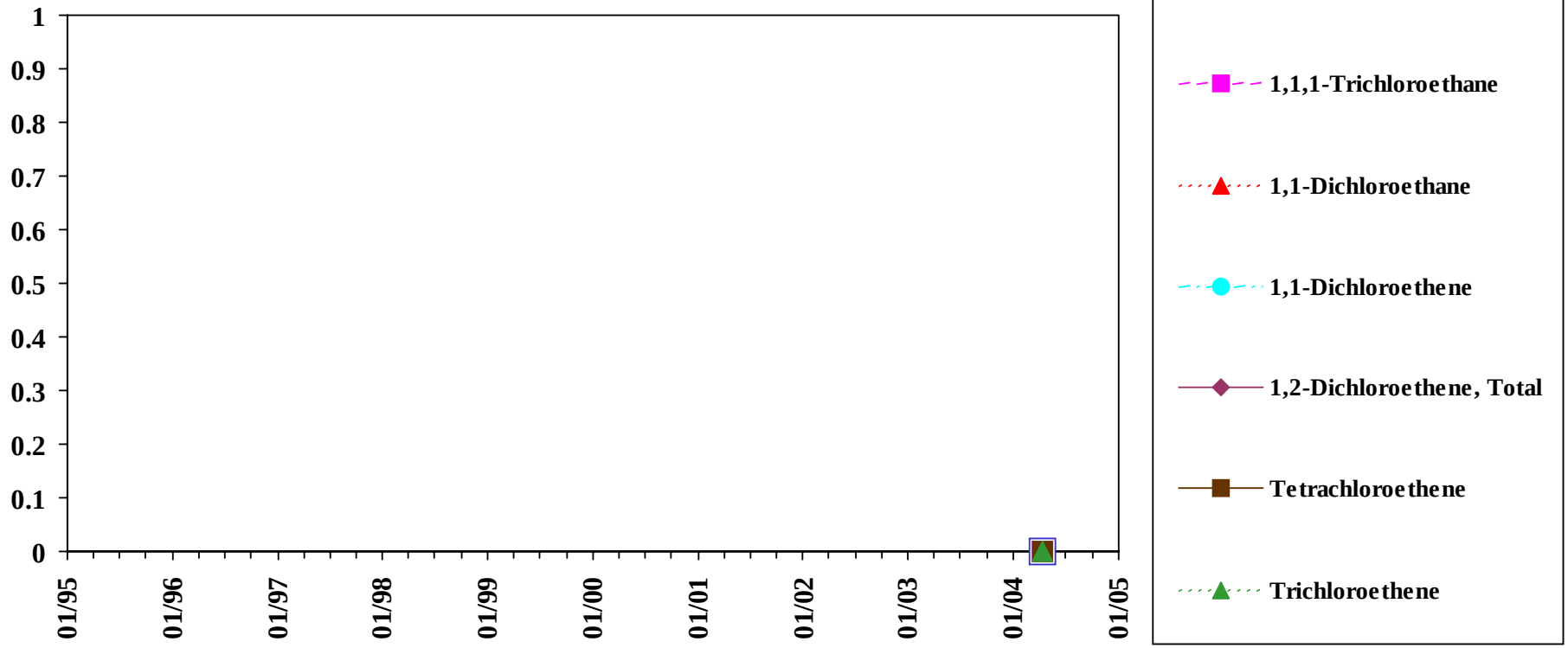
Sample Location:

MW-335

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

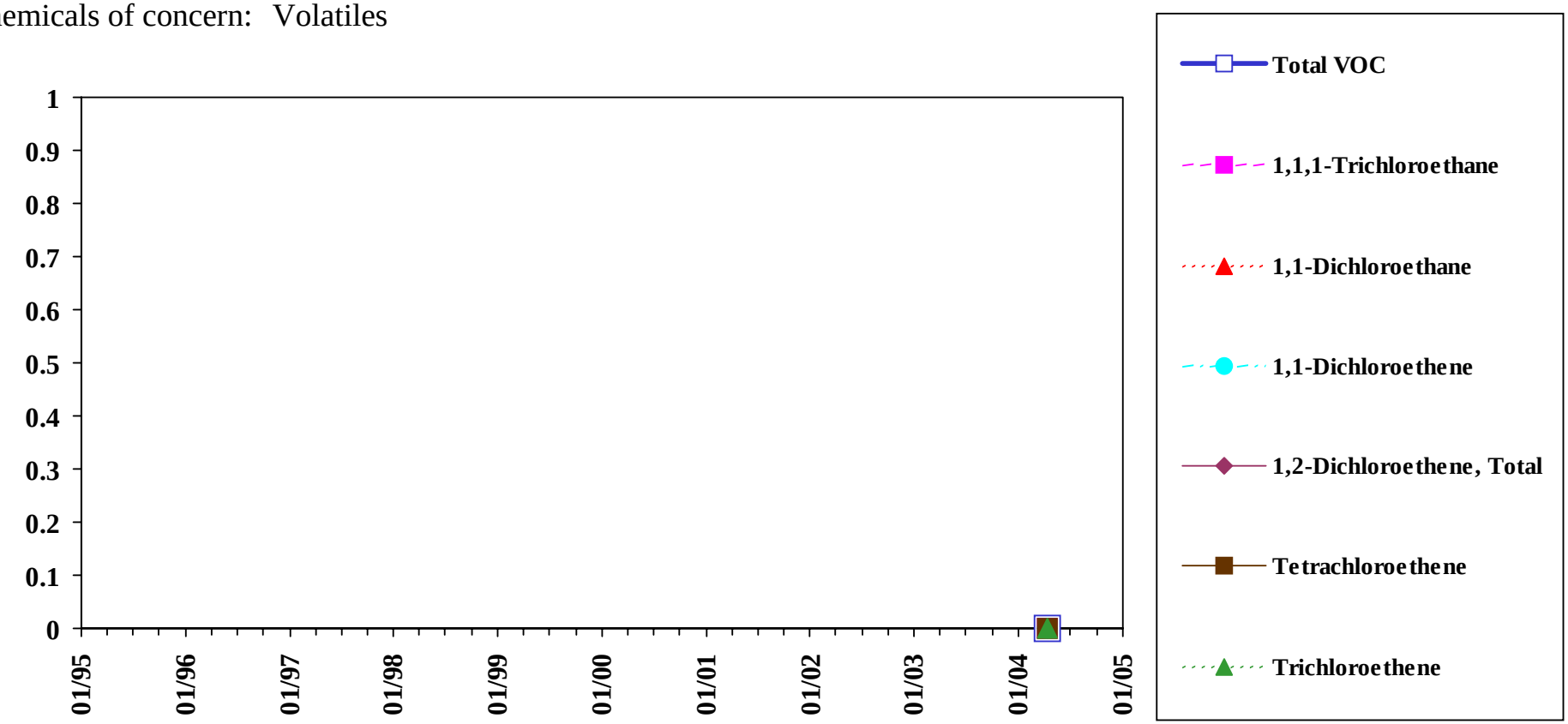
Sample Location:

MW-335

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

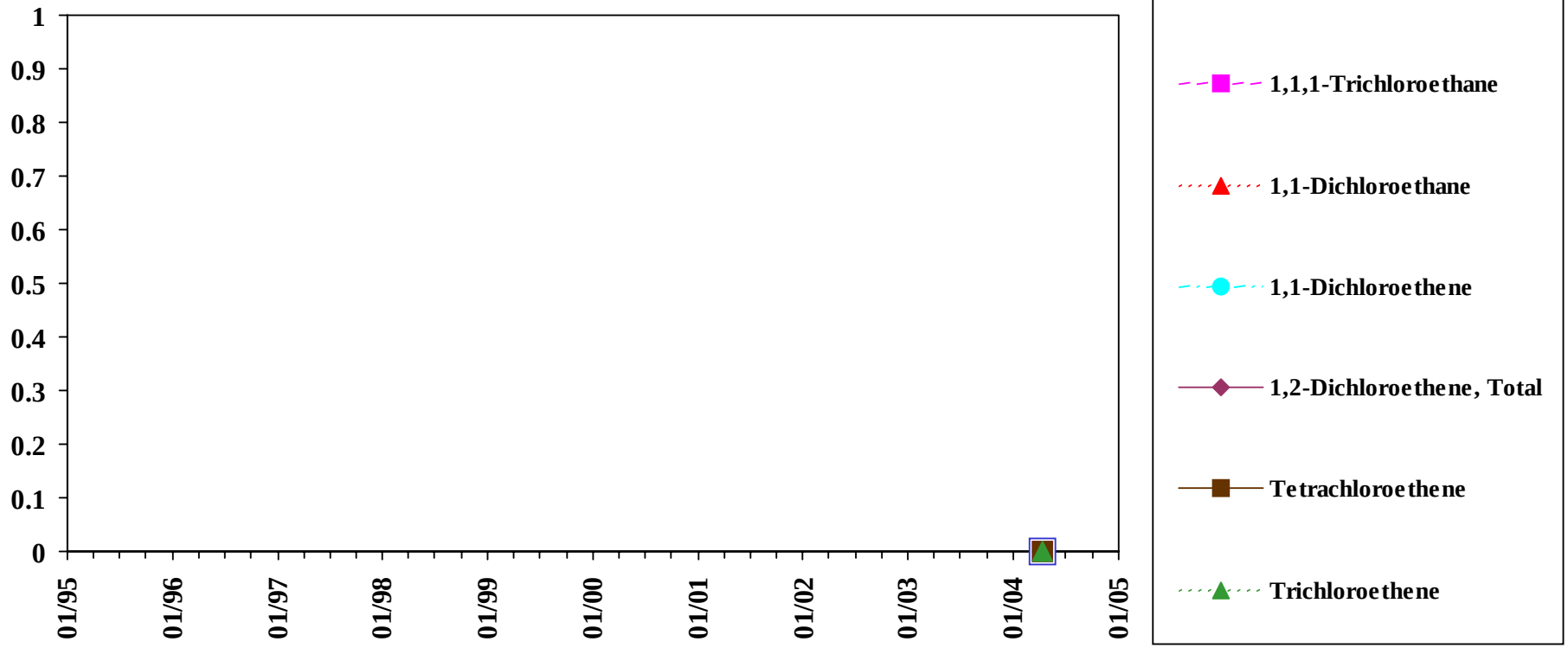
Sample Location:

MW-335

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

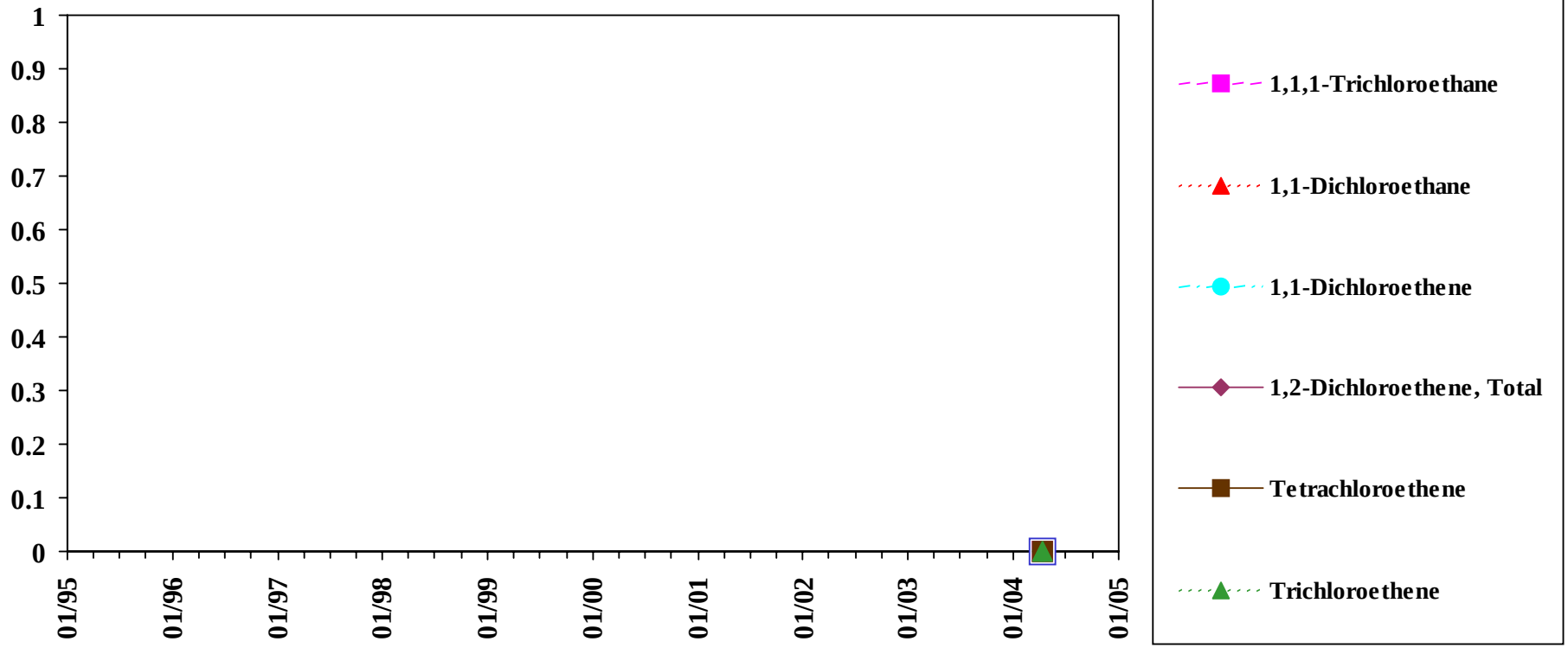
Sample Location:

MW-335

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



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Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

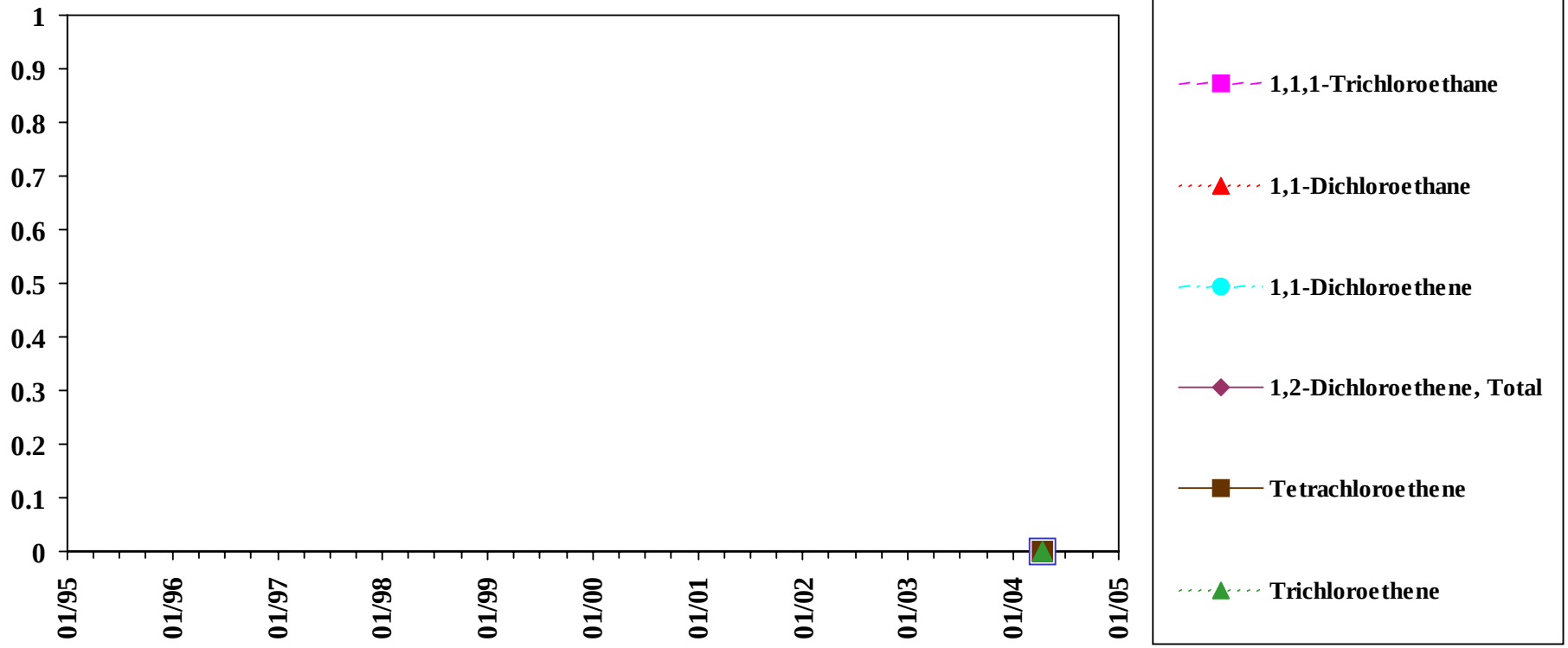
Sample Location:

MW-336

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

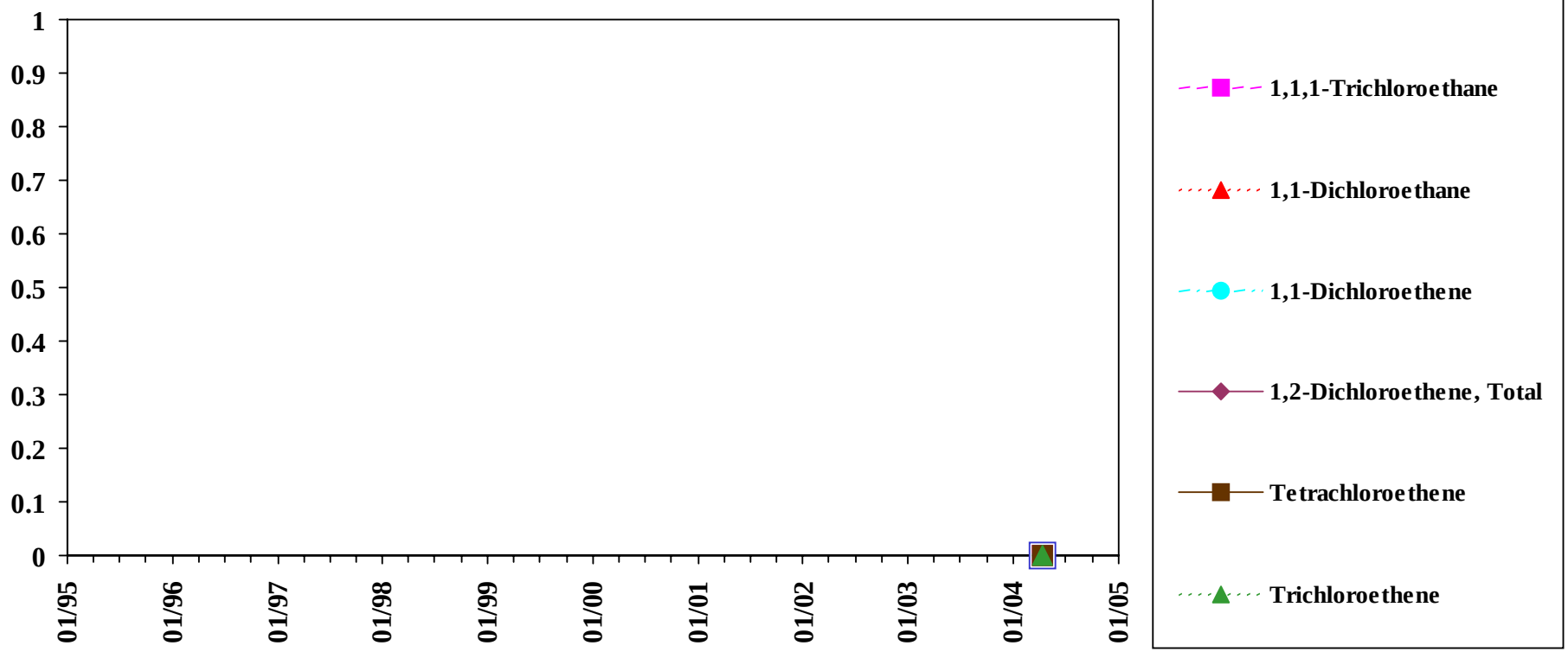
Sample Location:

MW-336

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

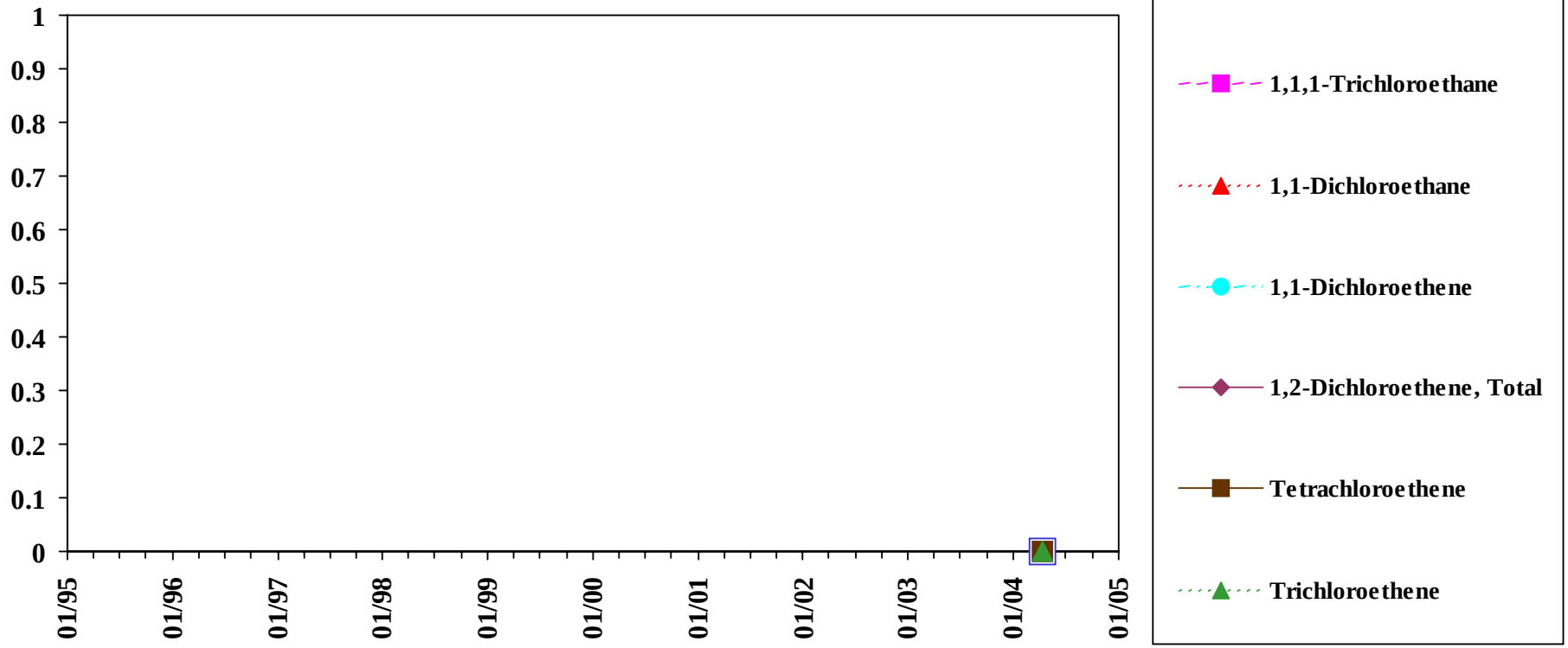
Sample Location:

MW-336

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

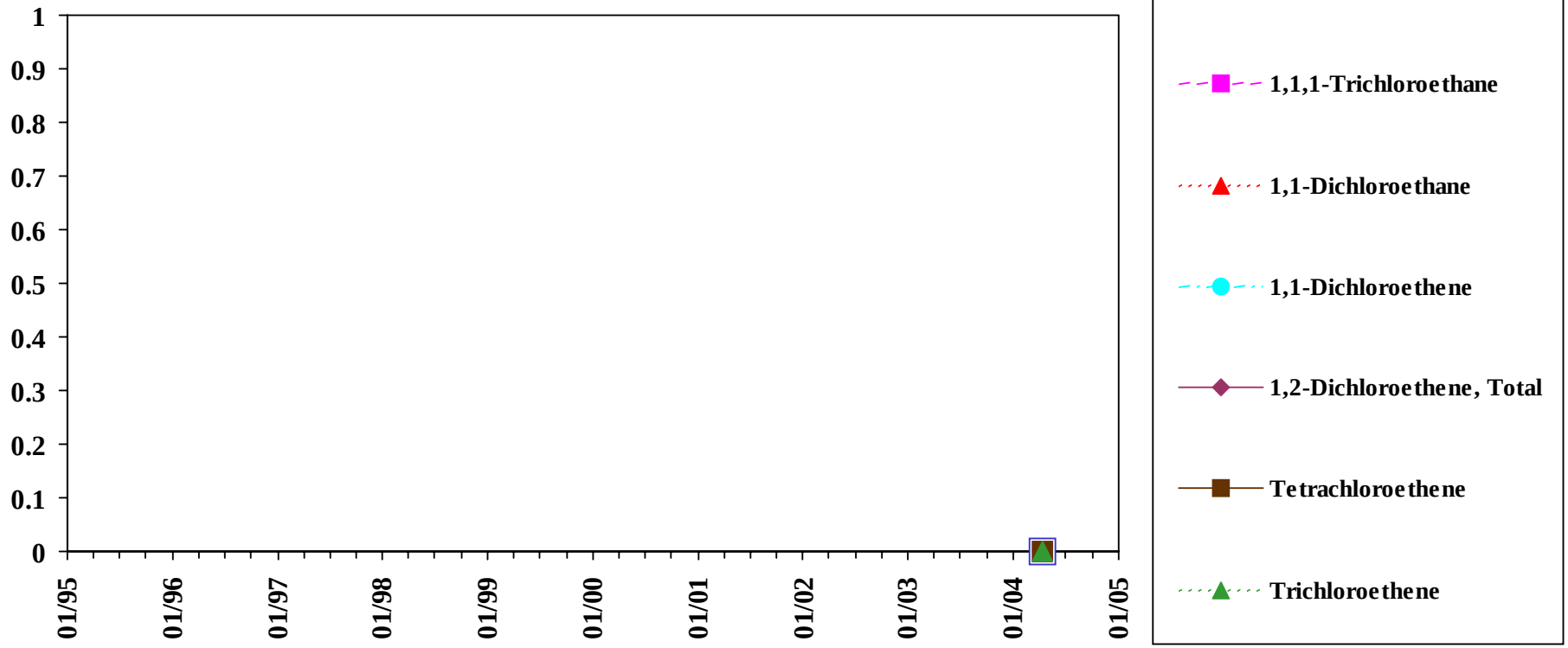
Sample Location:

MW-336

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



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Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

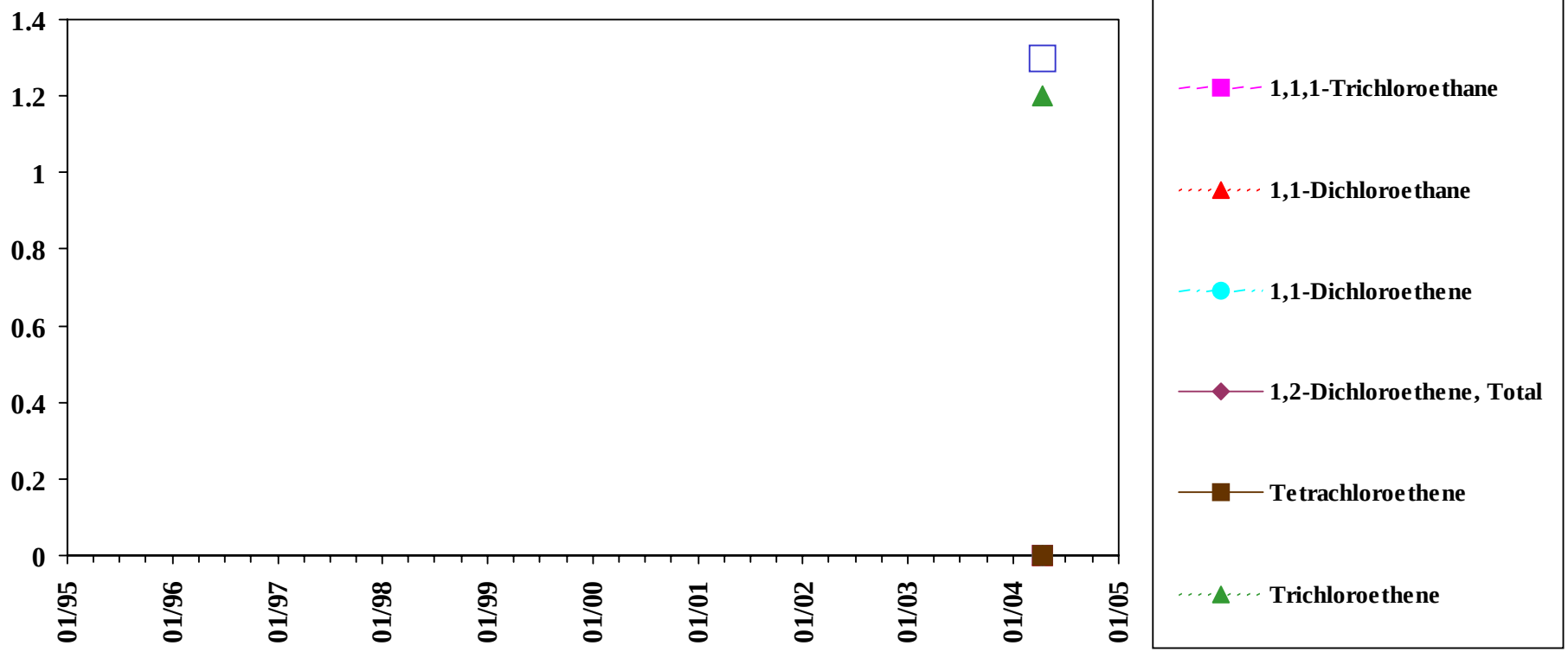
Sample Location:

MW-337

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

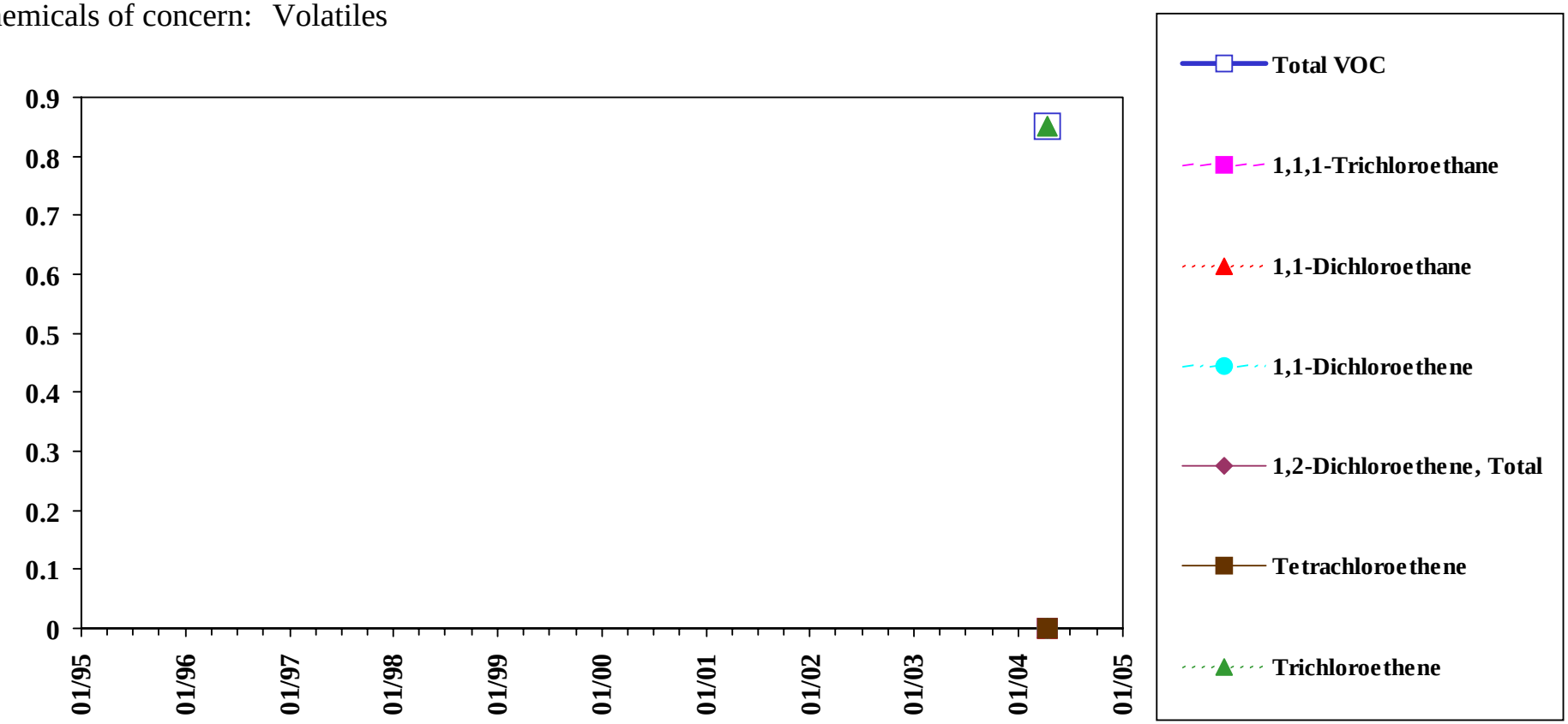
Sample Location:

MW-337

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

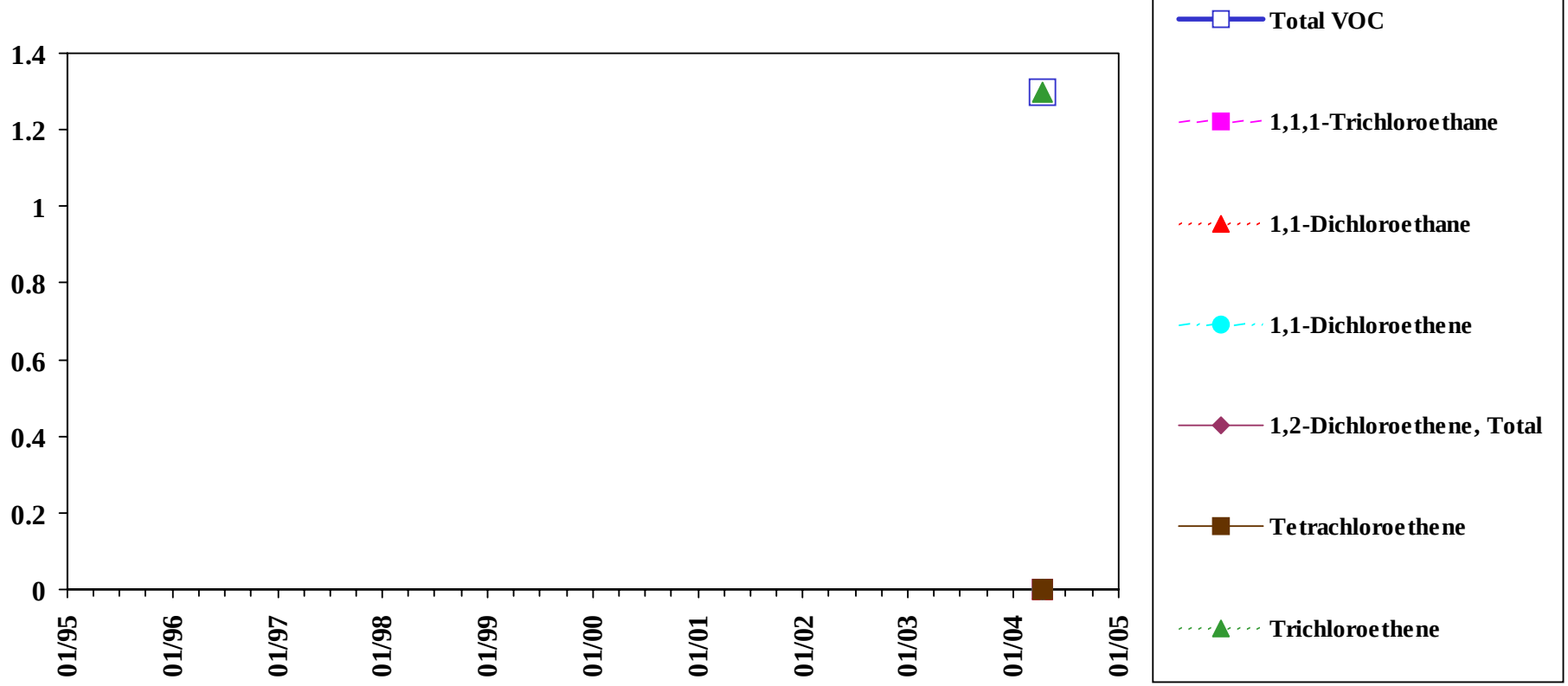
Sample Location:

MW-337

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

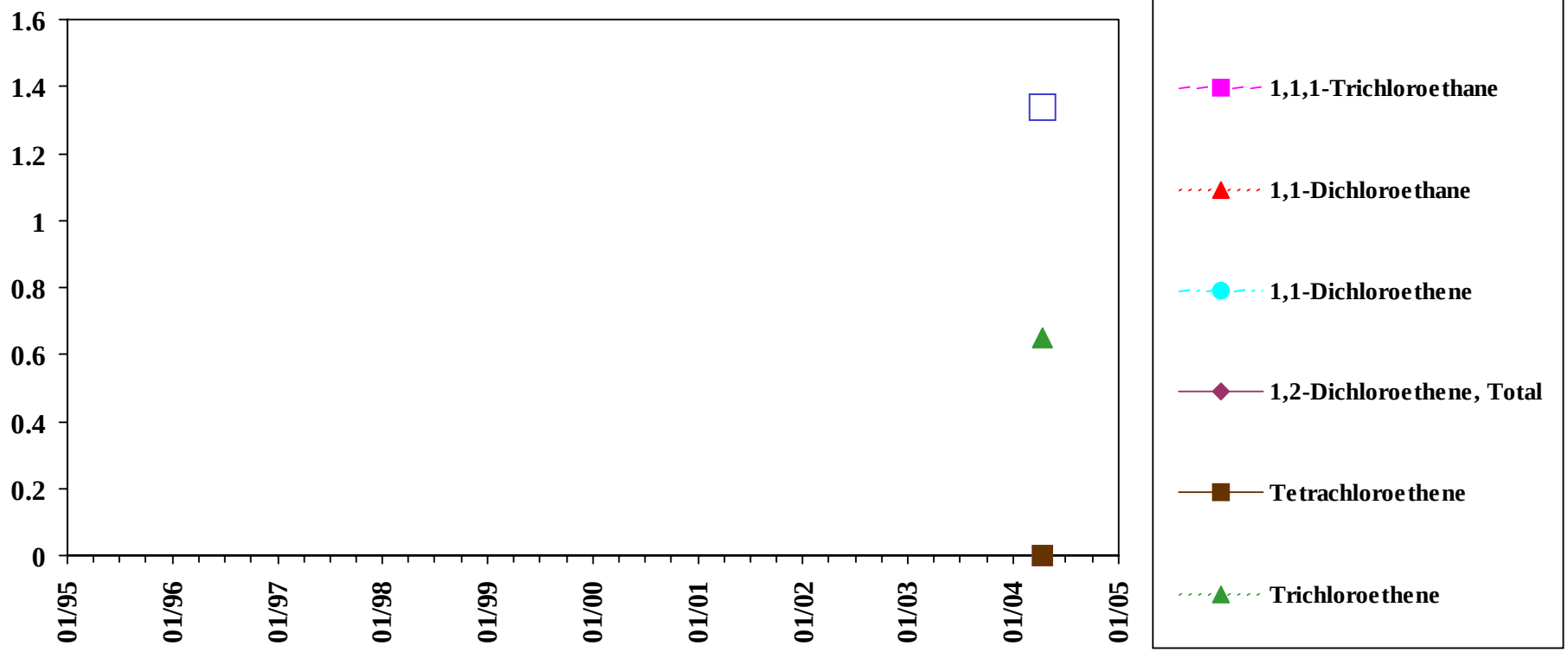
Sample Location:

MW-337

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

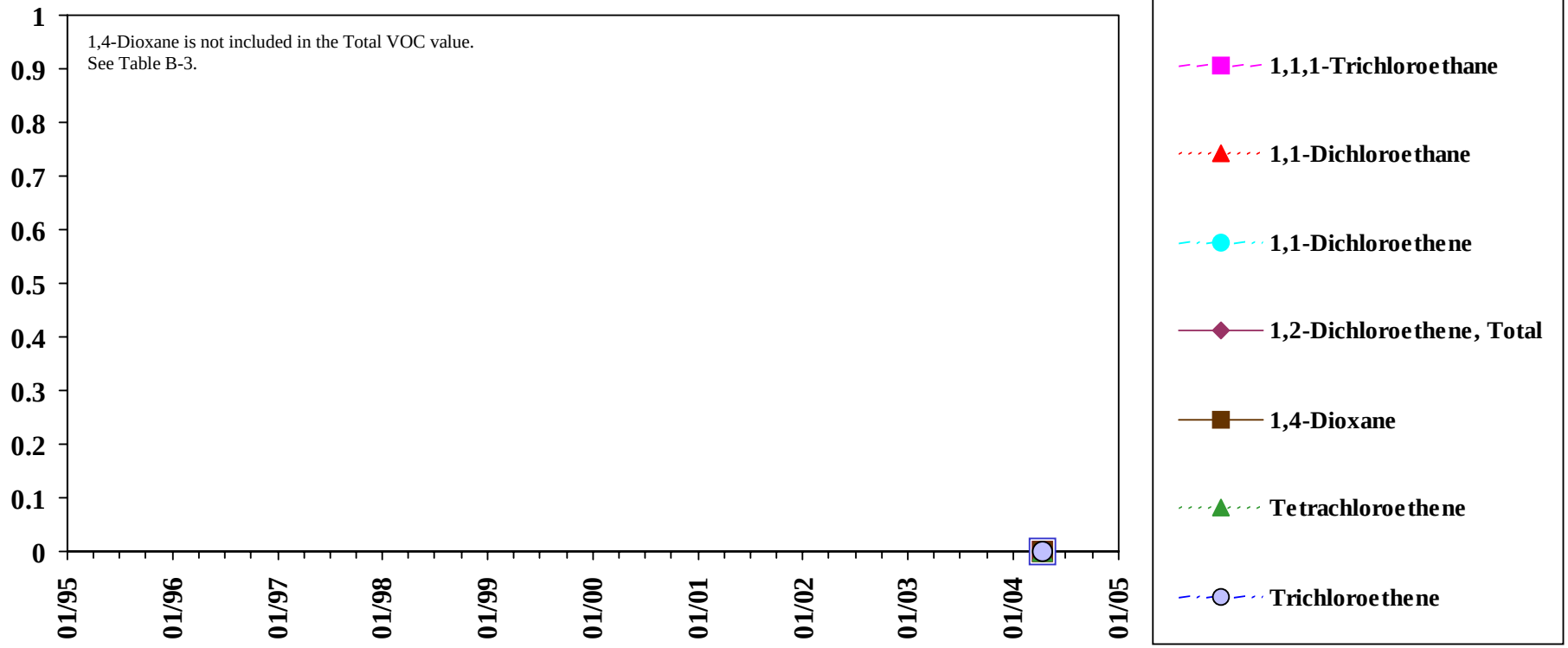
Sample Location:

MW-338A

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

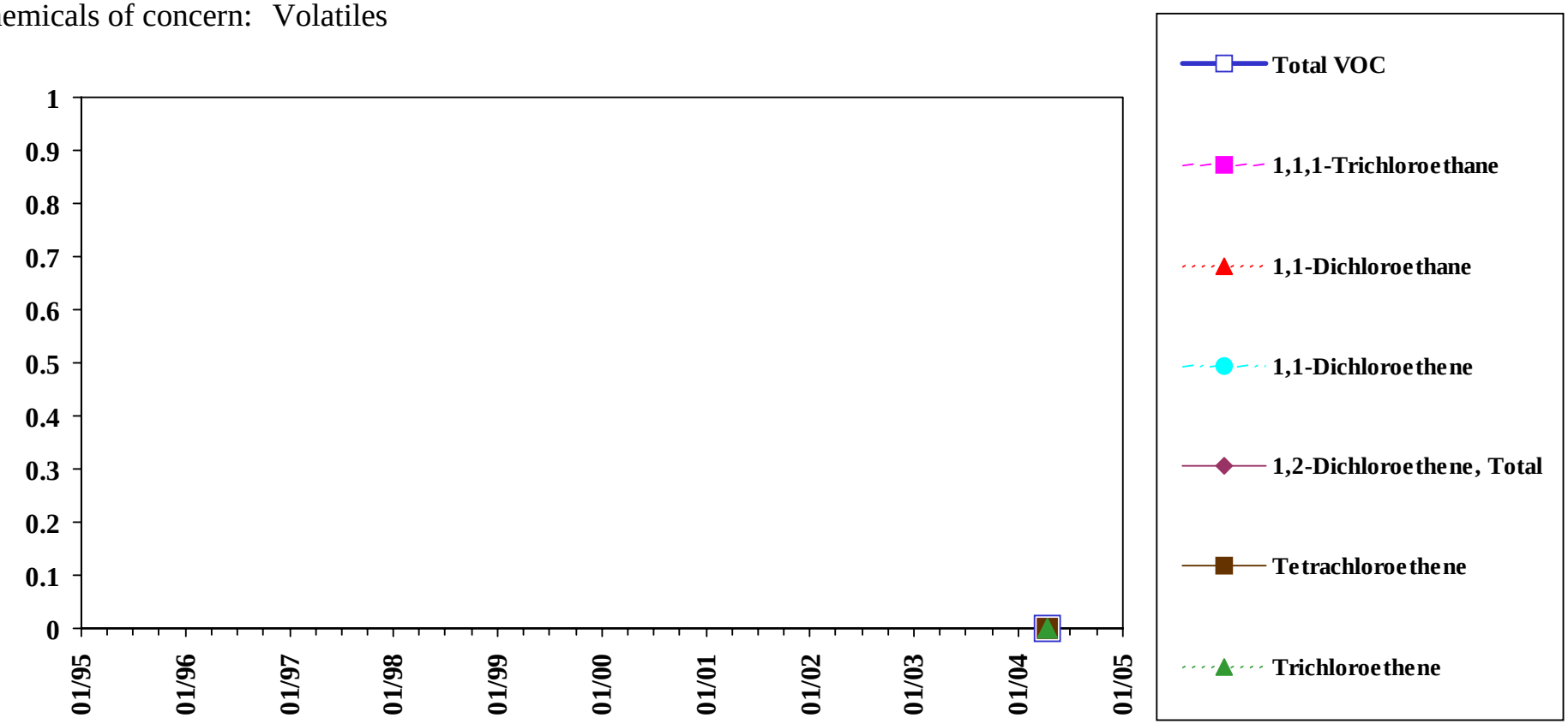
Sample Location:

MW-338A

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

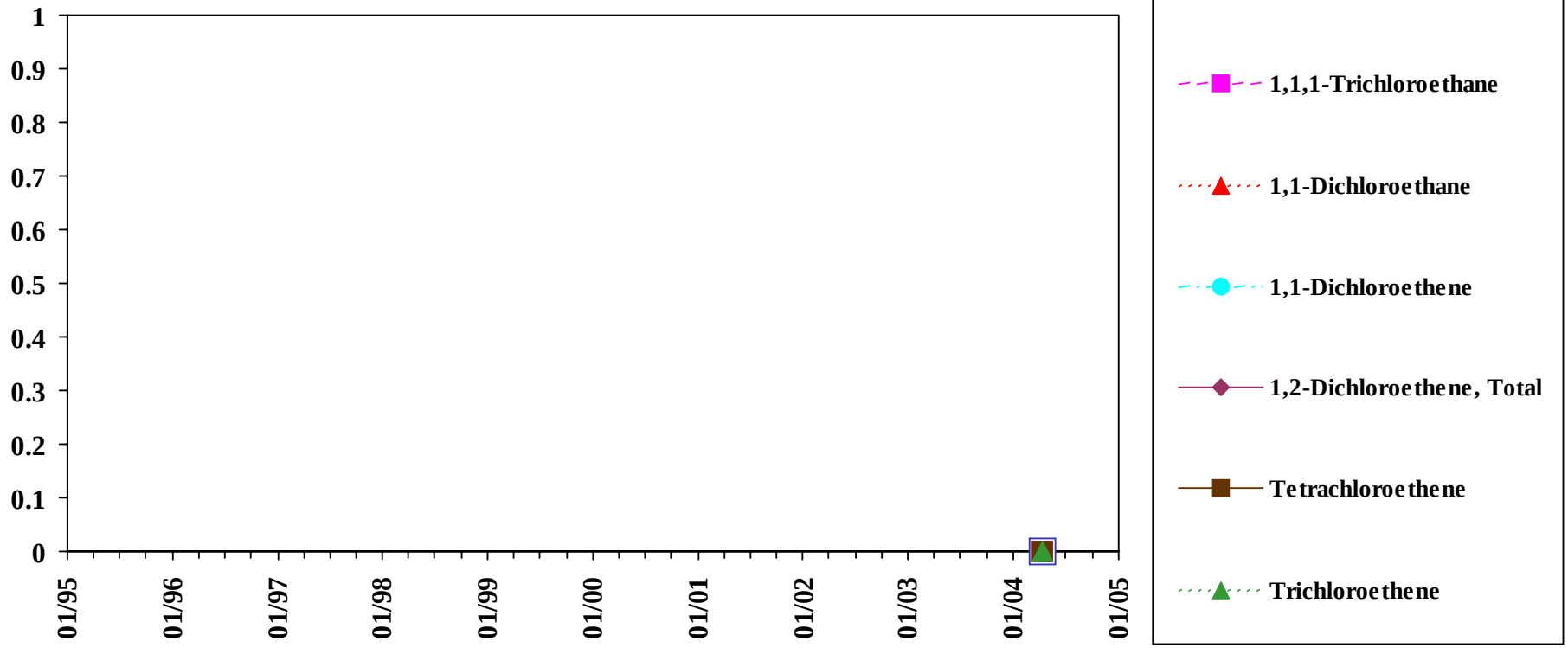
Sample Location:

MW-338A

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

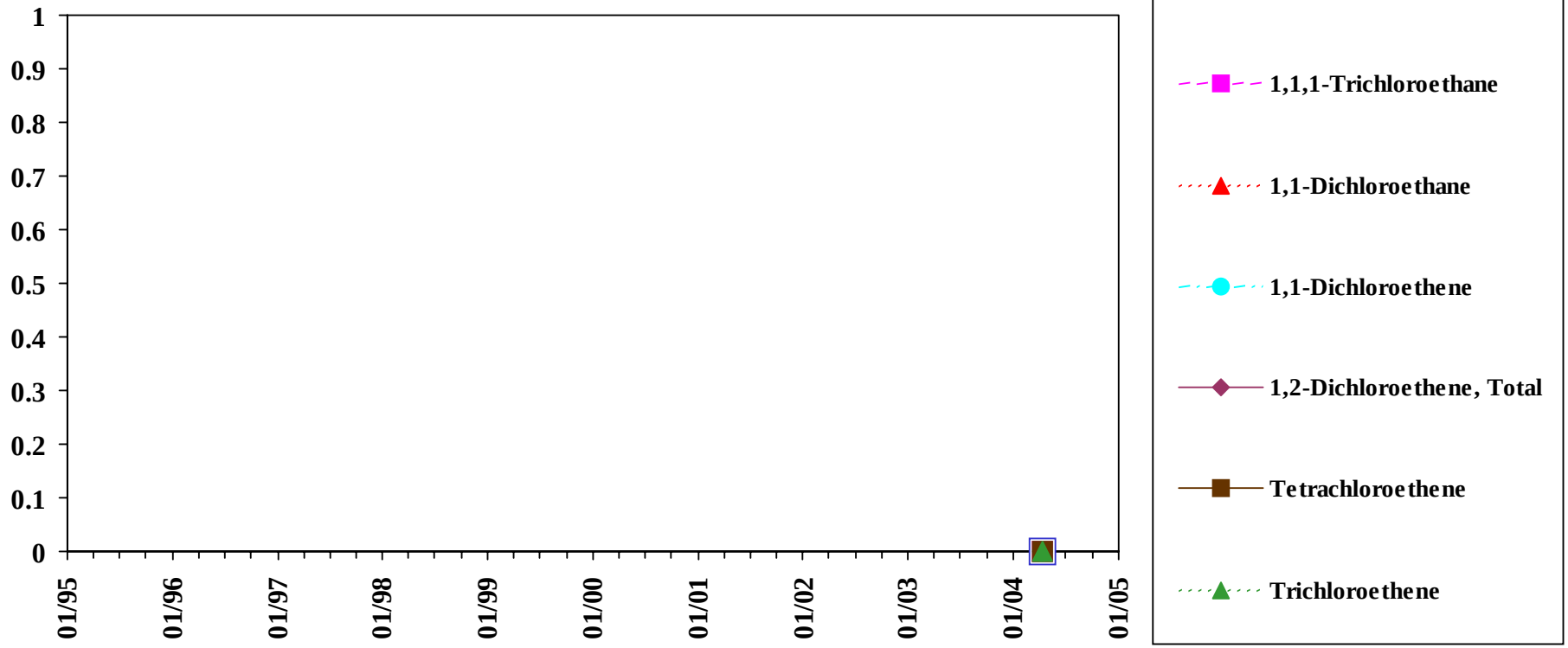
Sample Location:

MW-338A

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

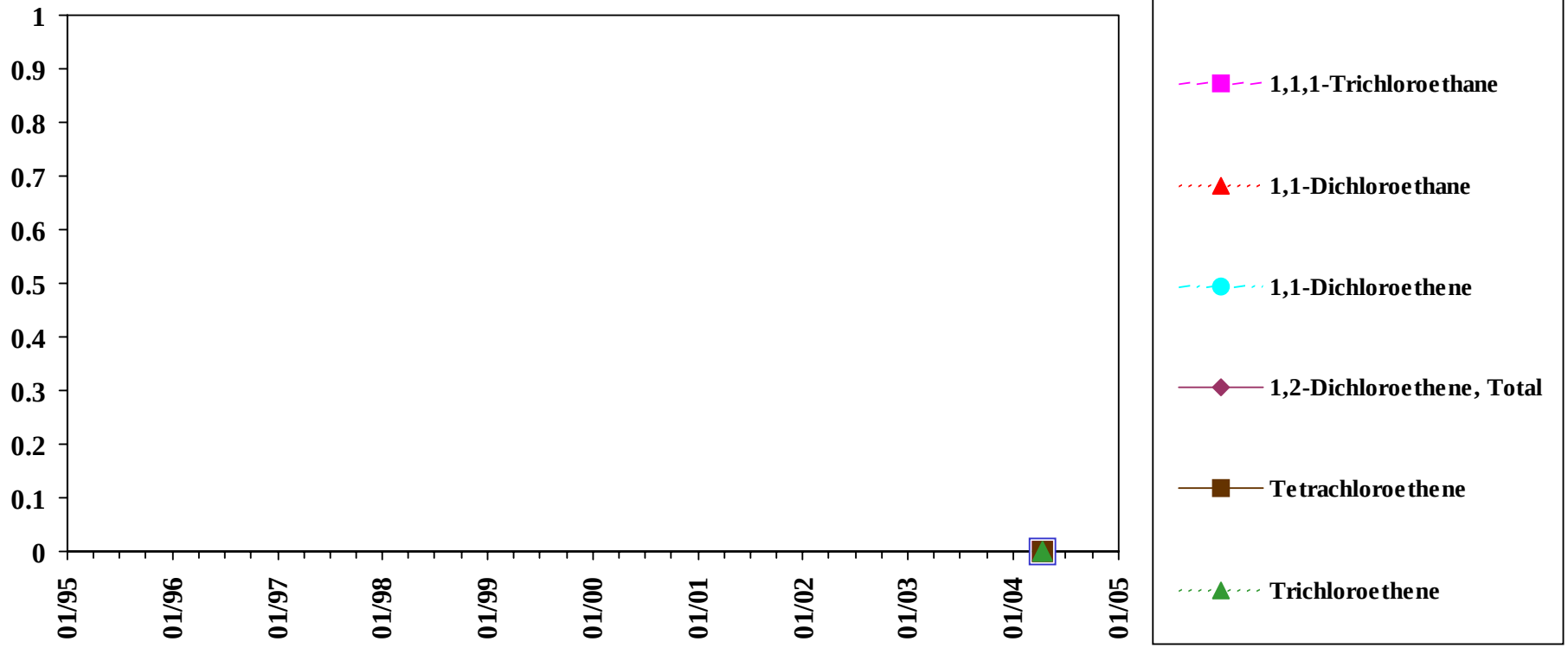
Sample Location:

MW-338B

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

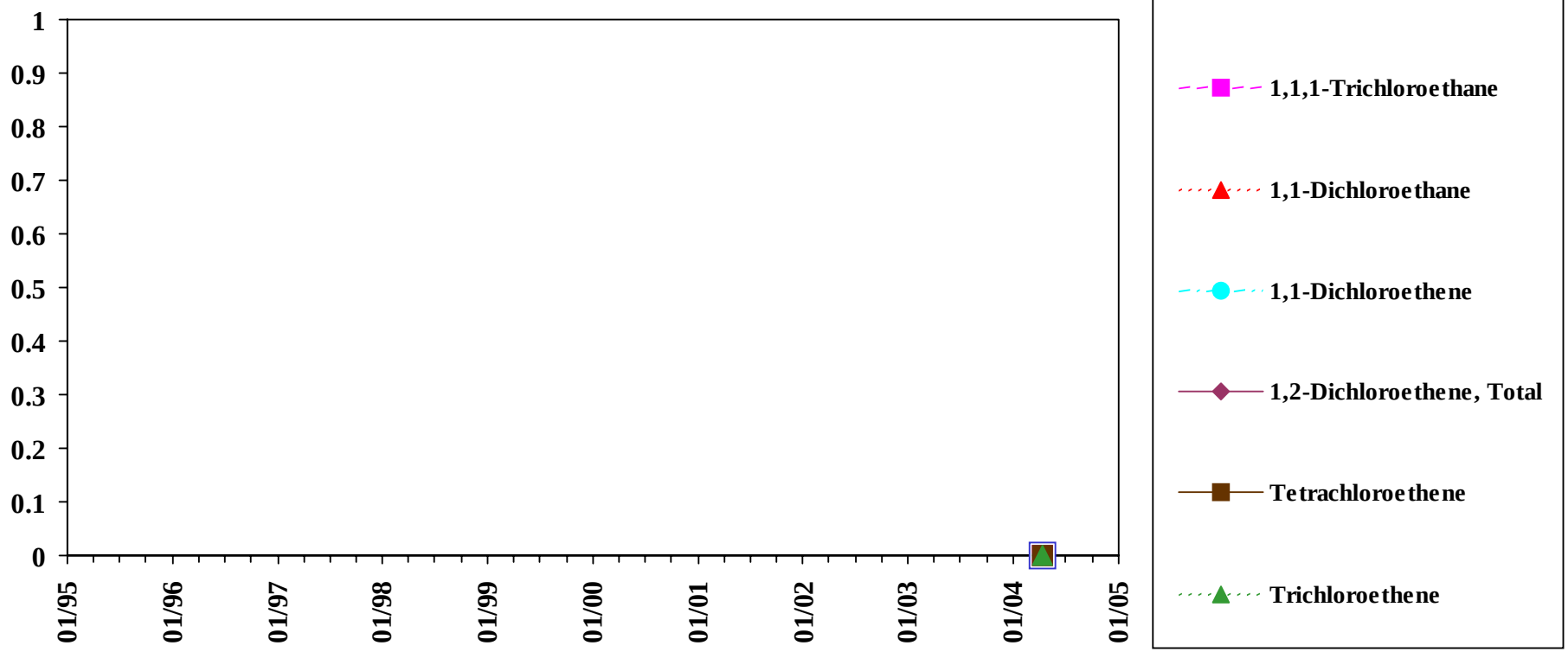
Sample Location:

MW-338B

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

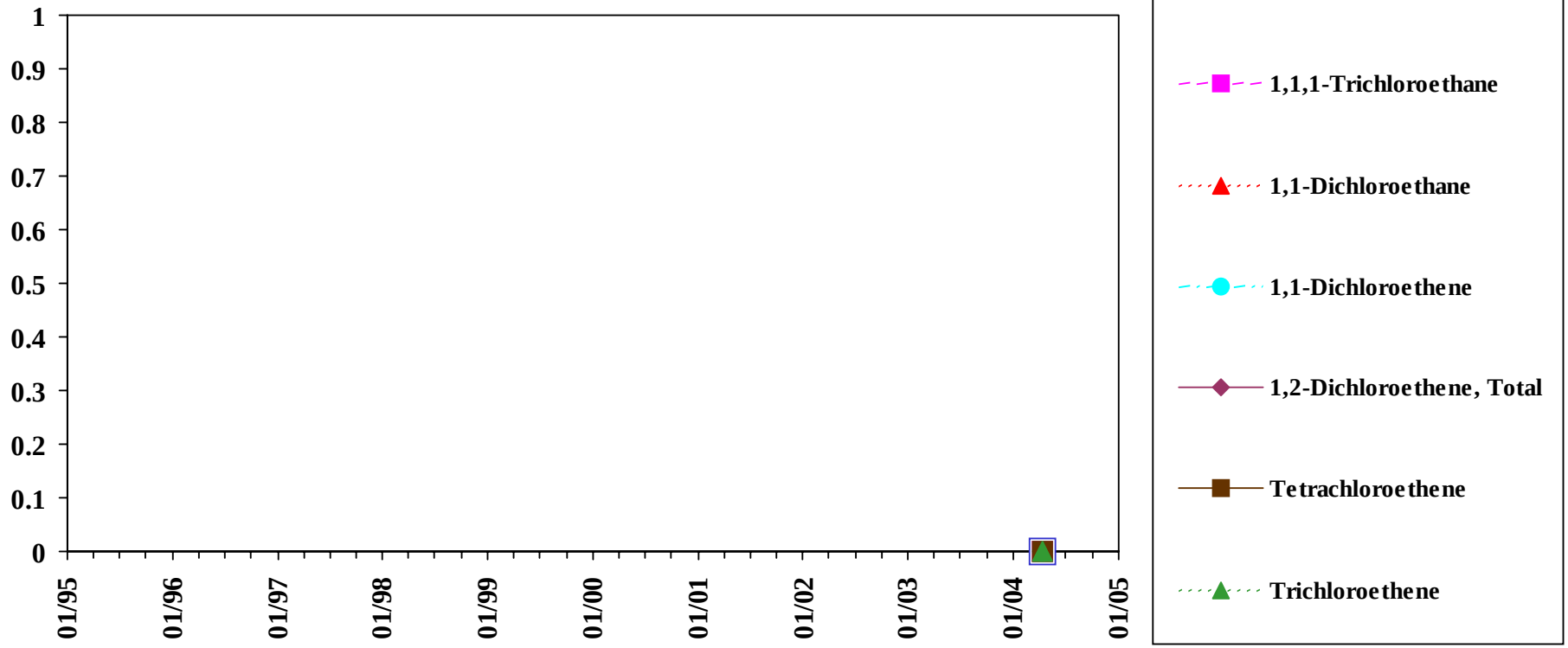
Sample Location:

MW-338B

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

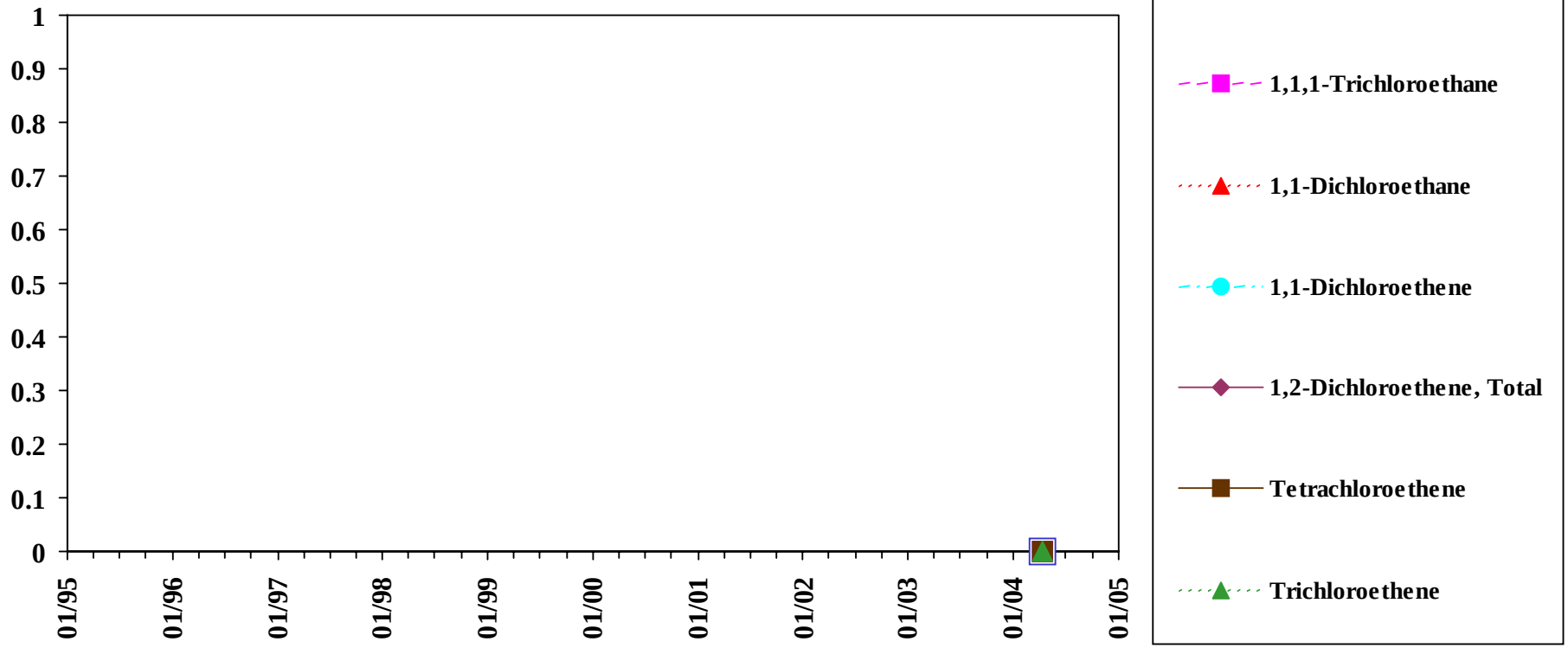
Sample Location:

MW-338B

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

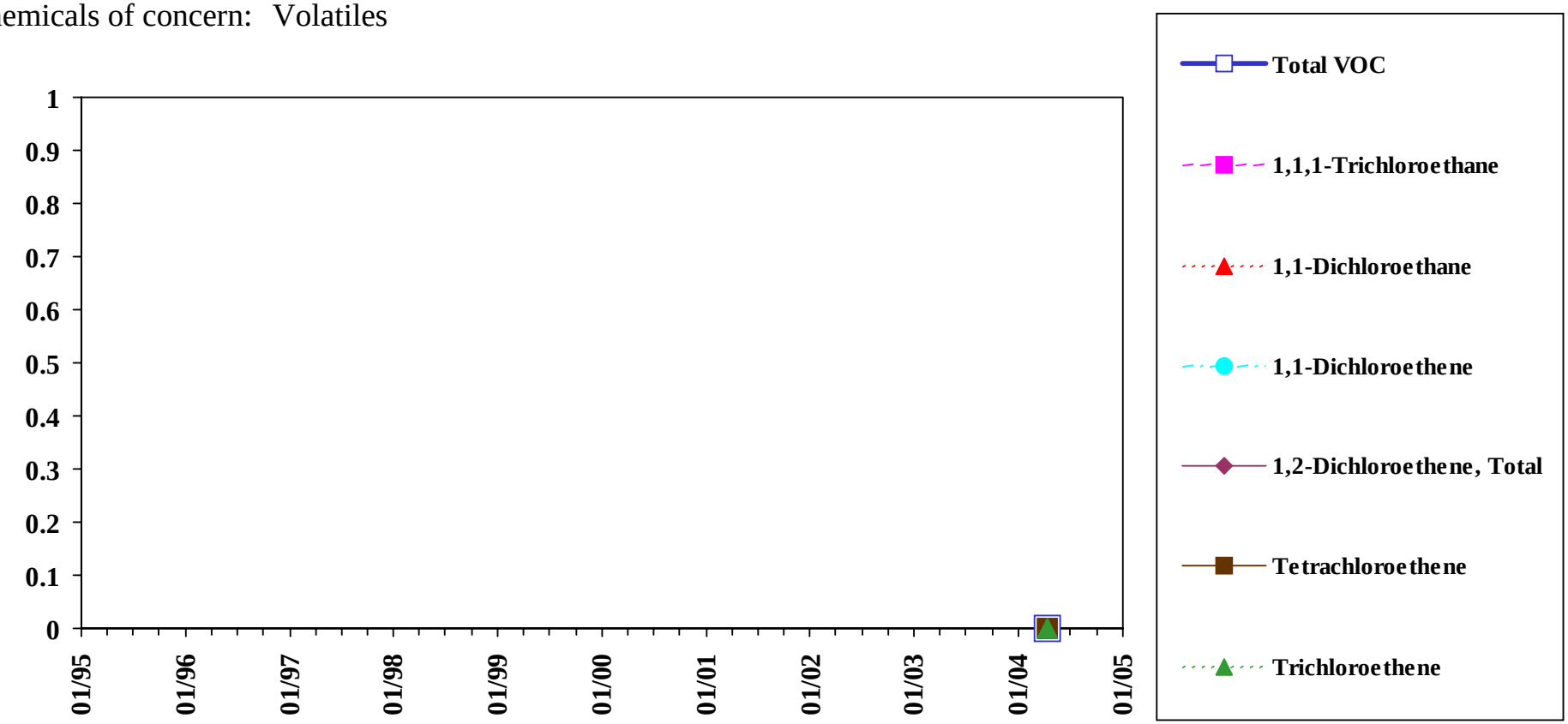
Sample Location:

MW-338C

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

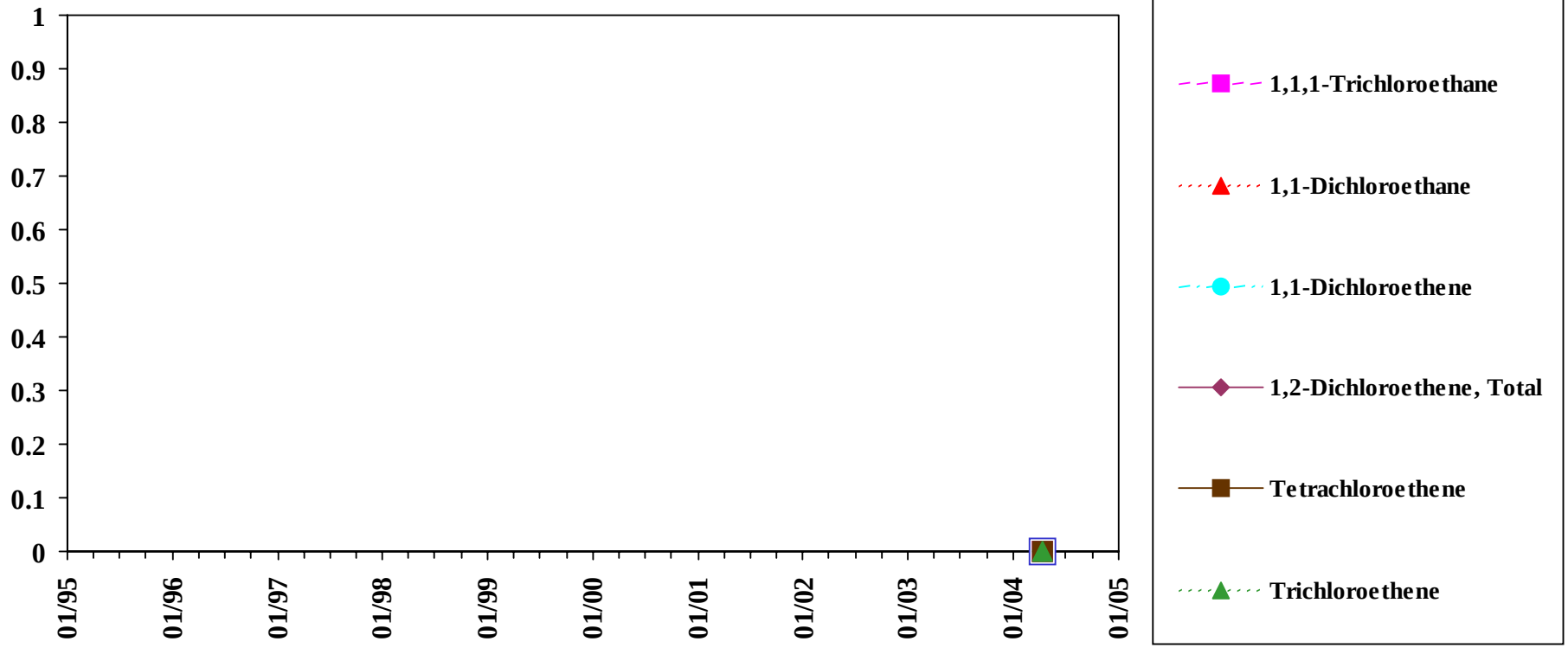
Sample Location:

MW-338C

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

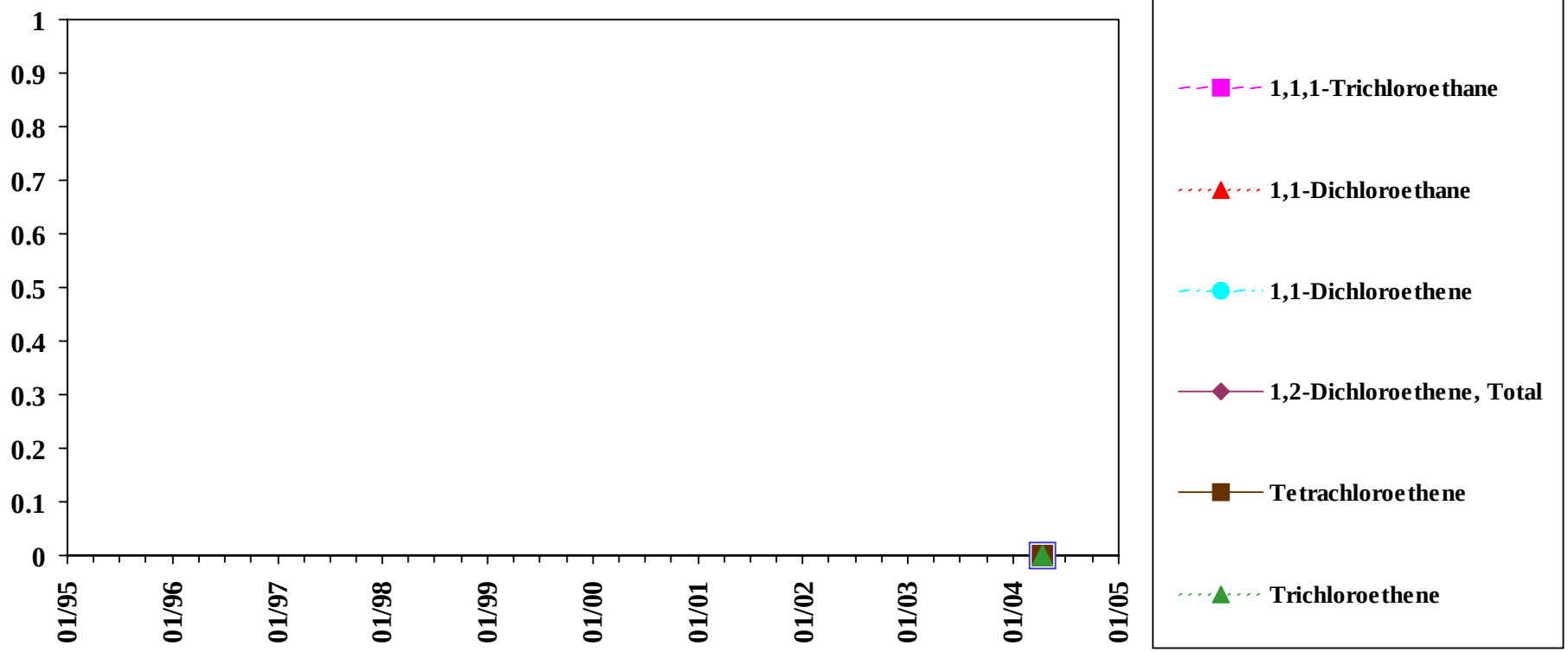
Sample Location:

MW-338C

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

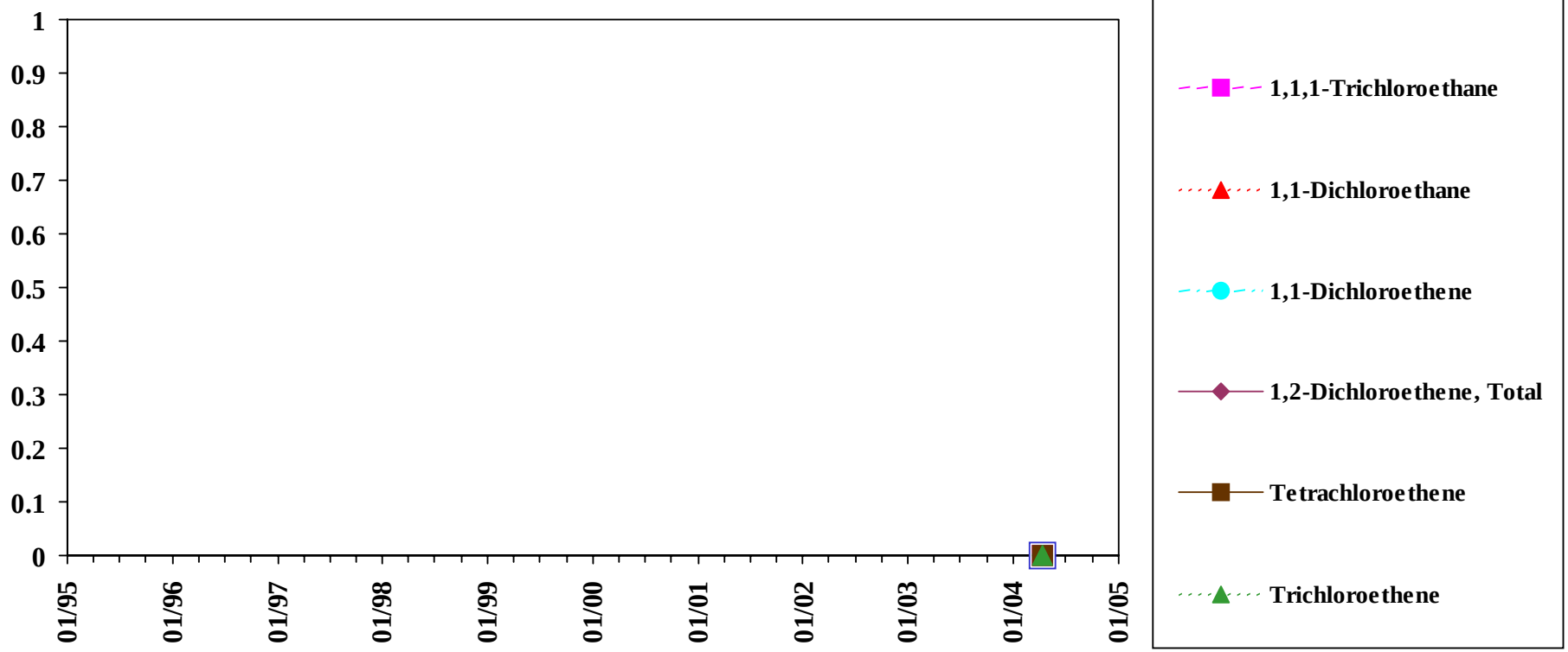
Sample Location:

MW-339

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

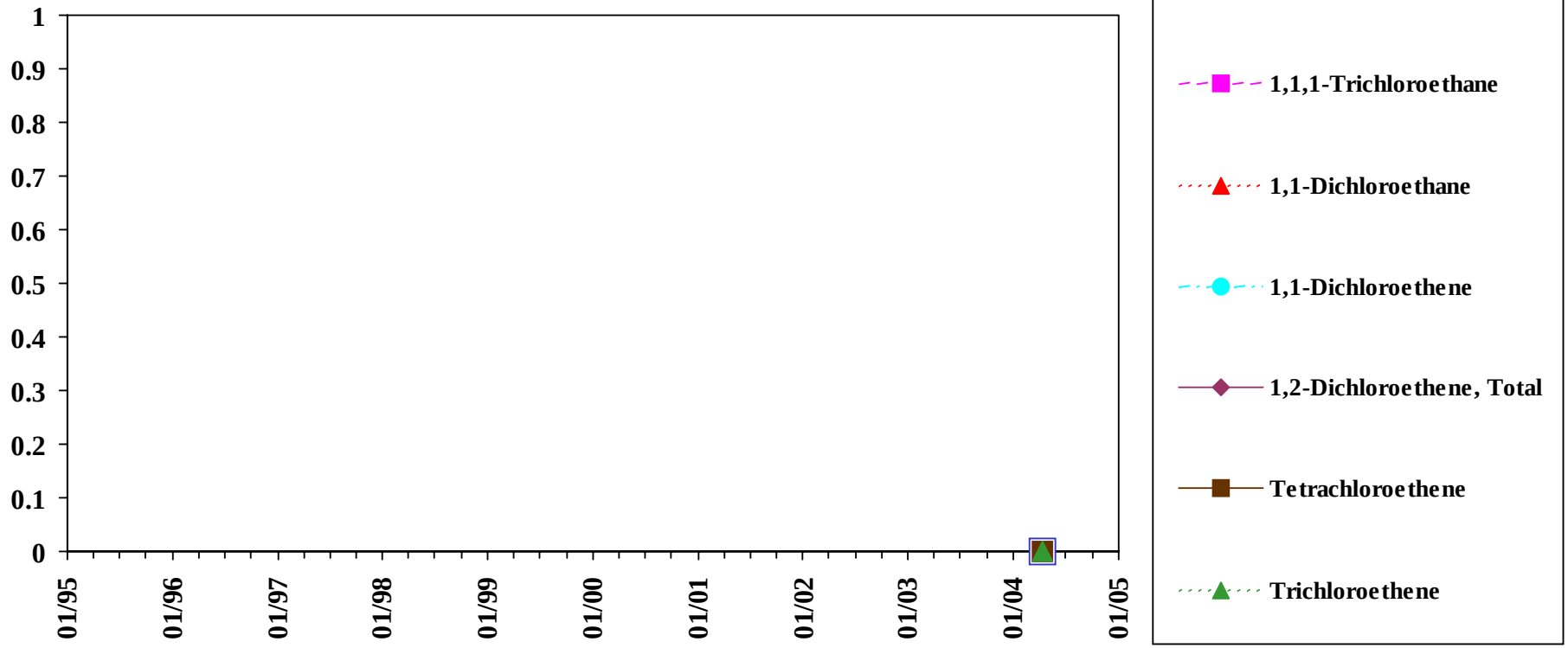
Sample Location:

MW-339

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

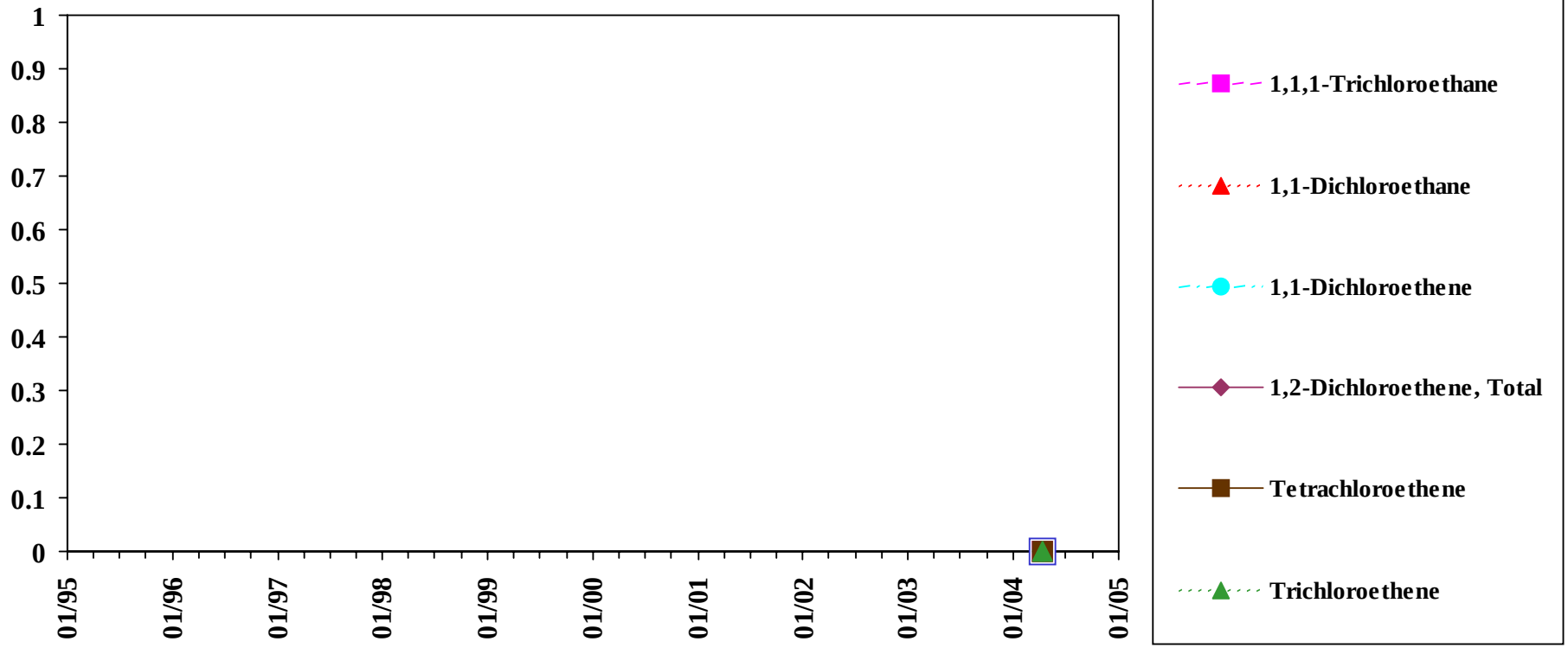
Sample Location:

MW-339

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/l

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

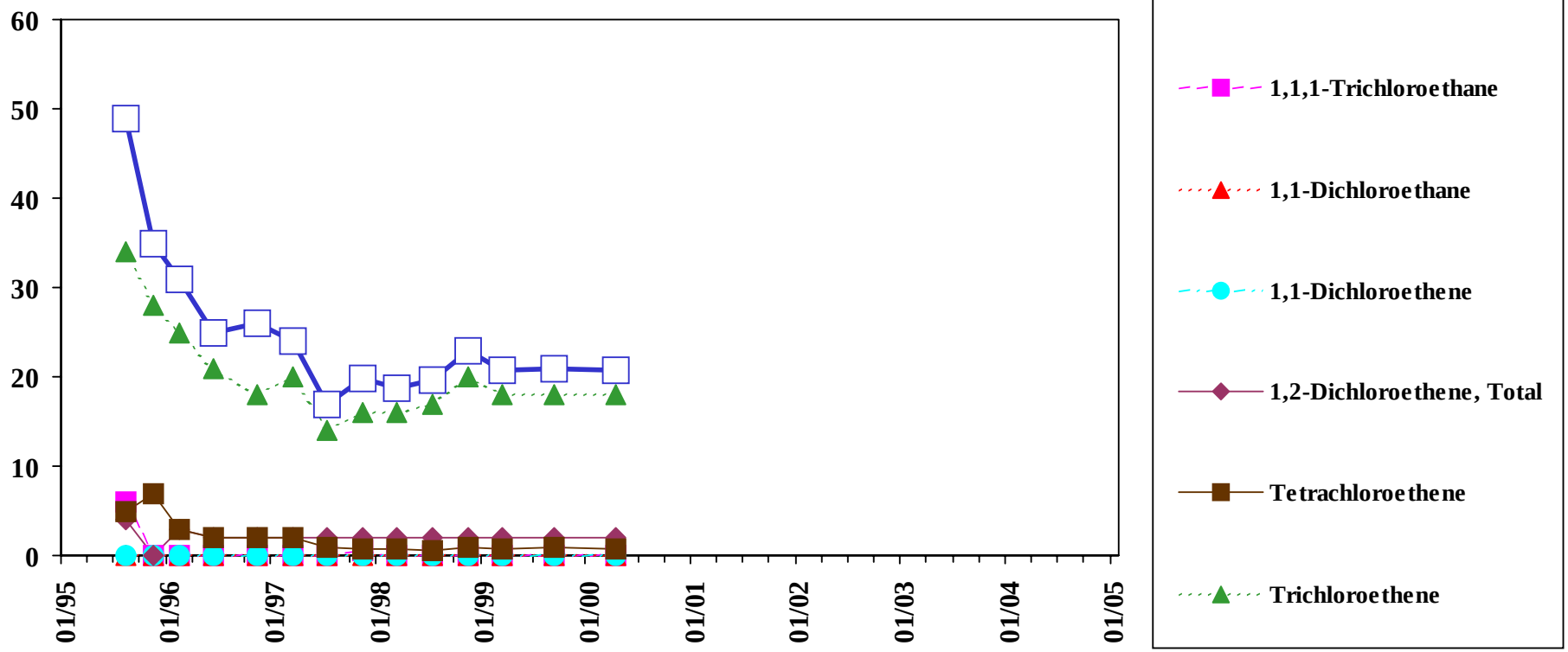
Sample Location:

MW-NASB-212

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

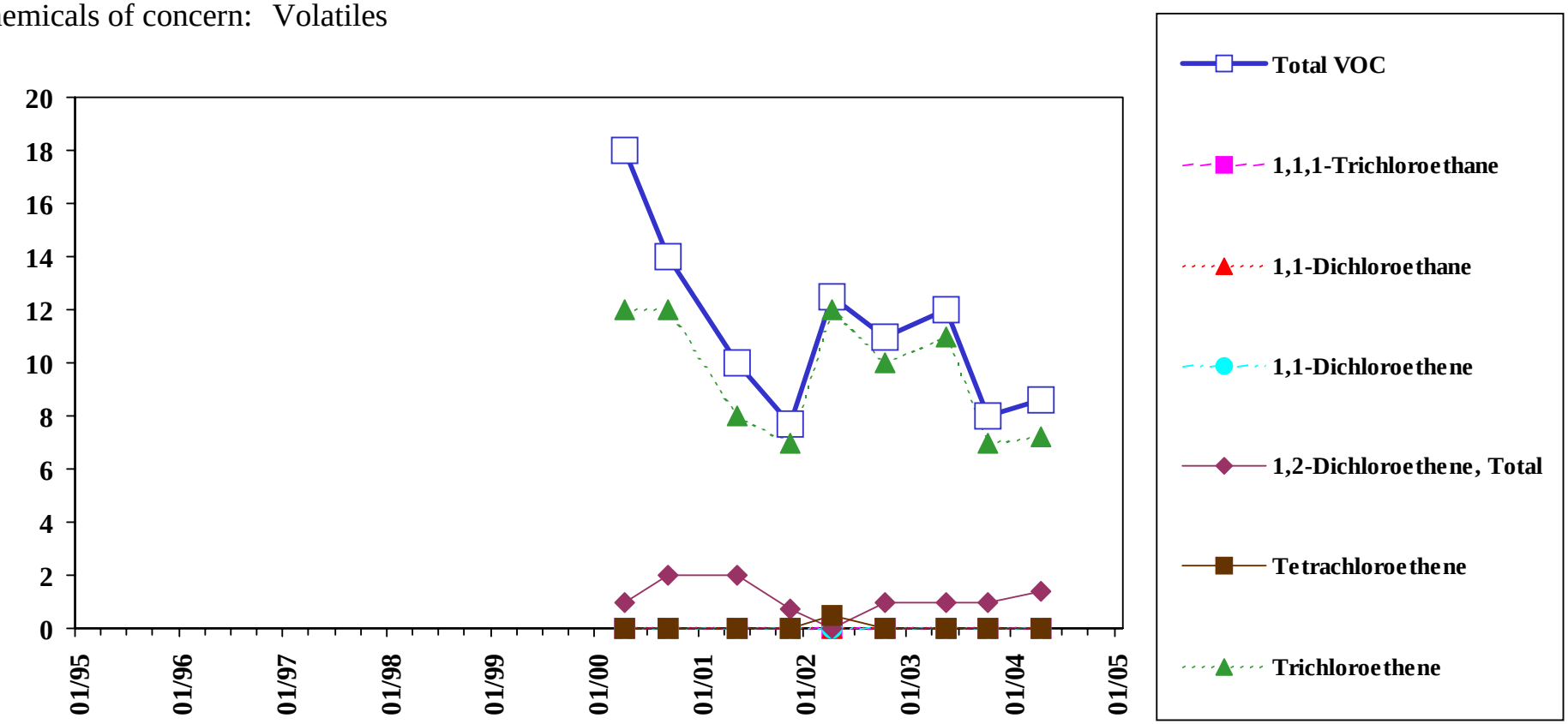
Sample Location:

MW-NASB-212

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

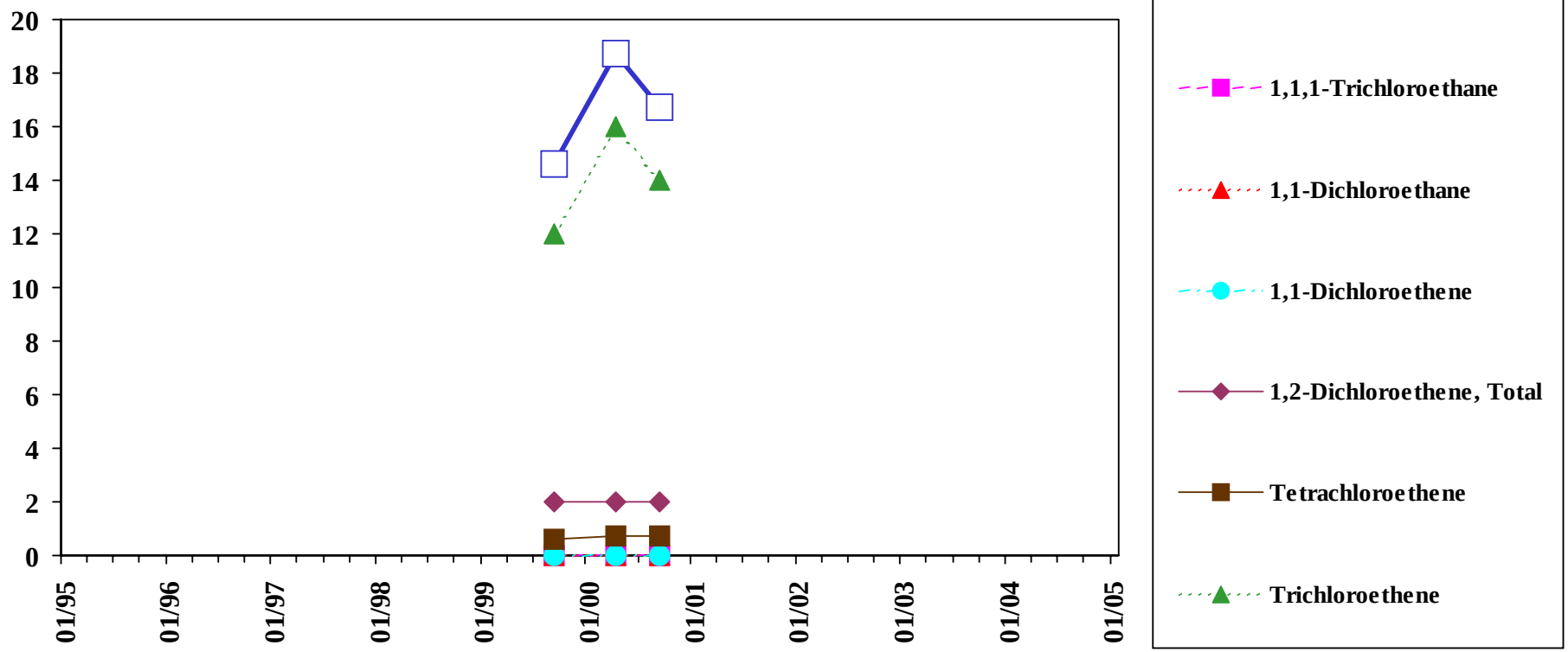
Sample Location:

MW-NASB-212

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

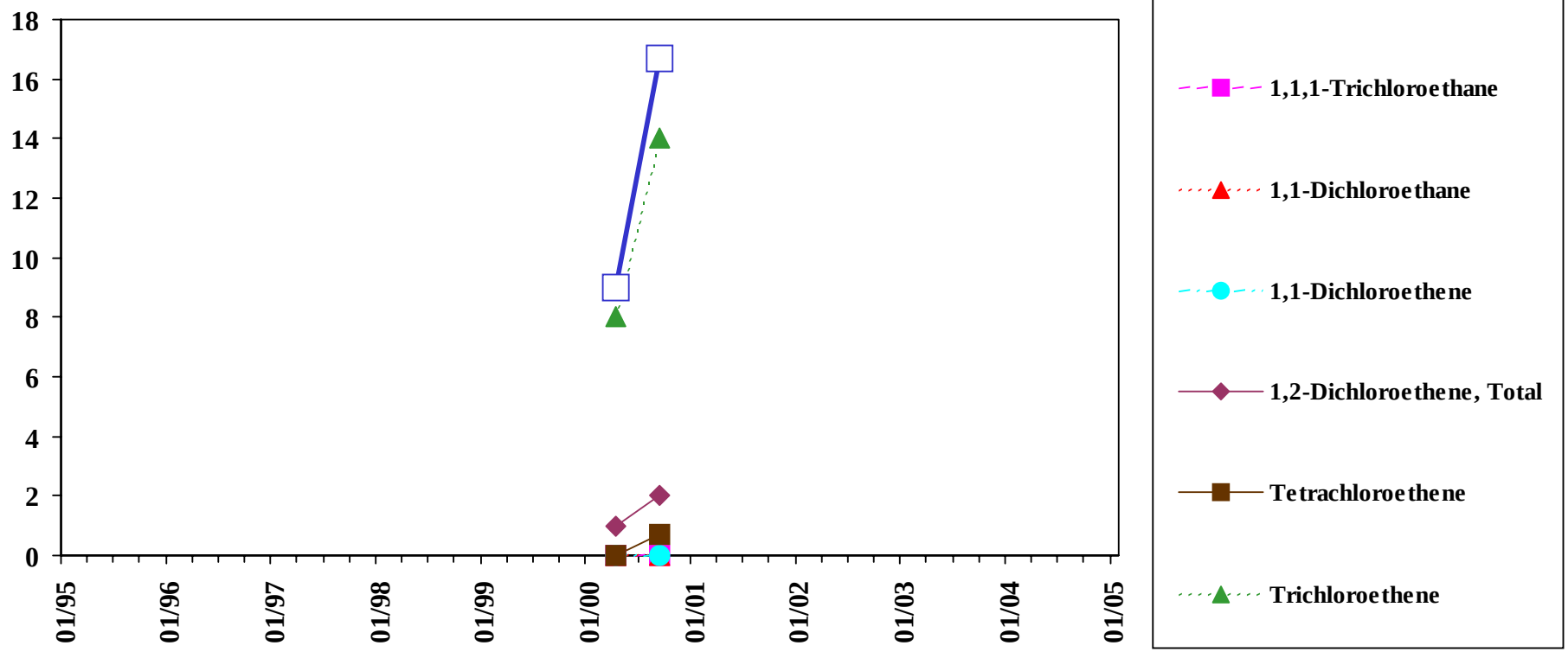
Sample Location:

MW-NASB-212

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

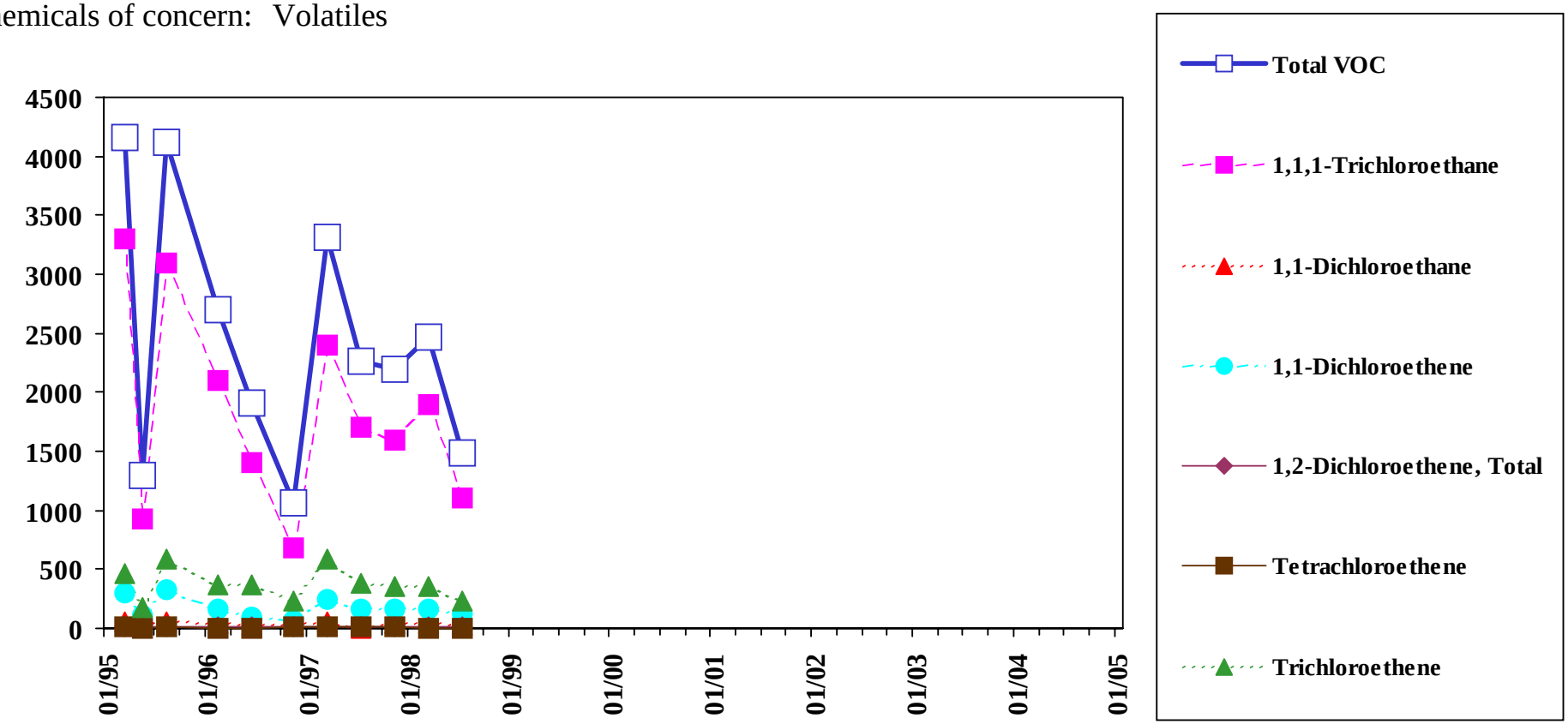
Sample Location:

P-105

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

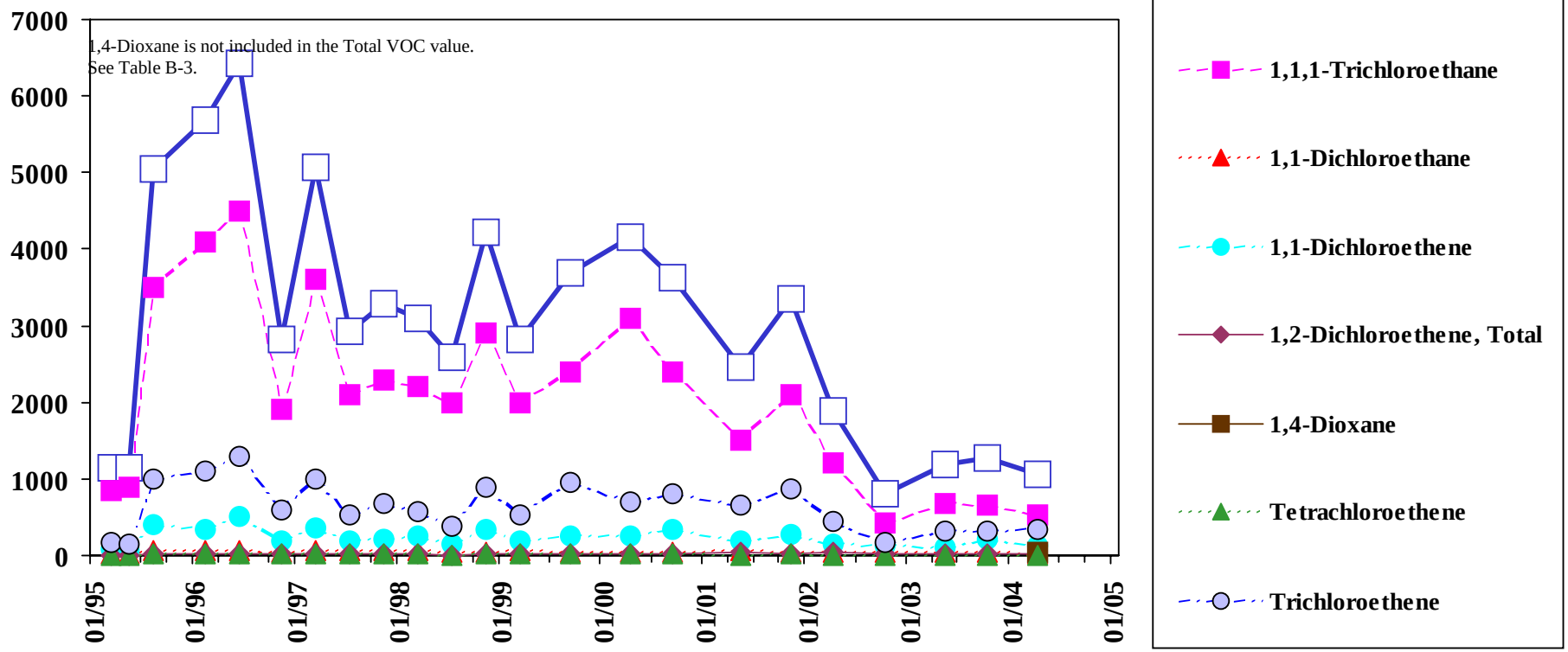
Sample Location:

P-106

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

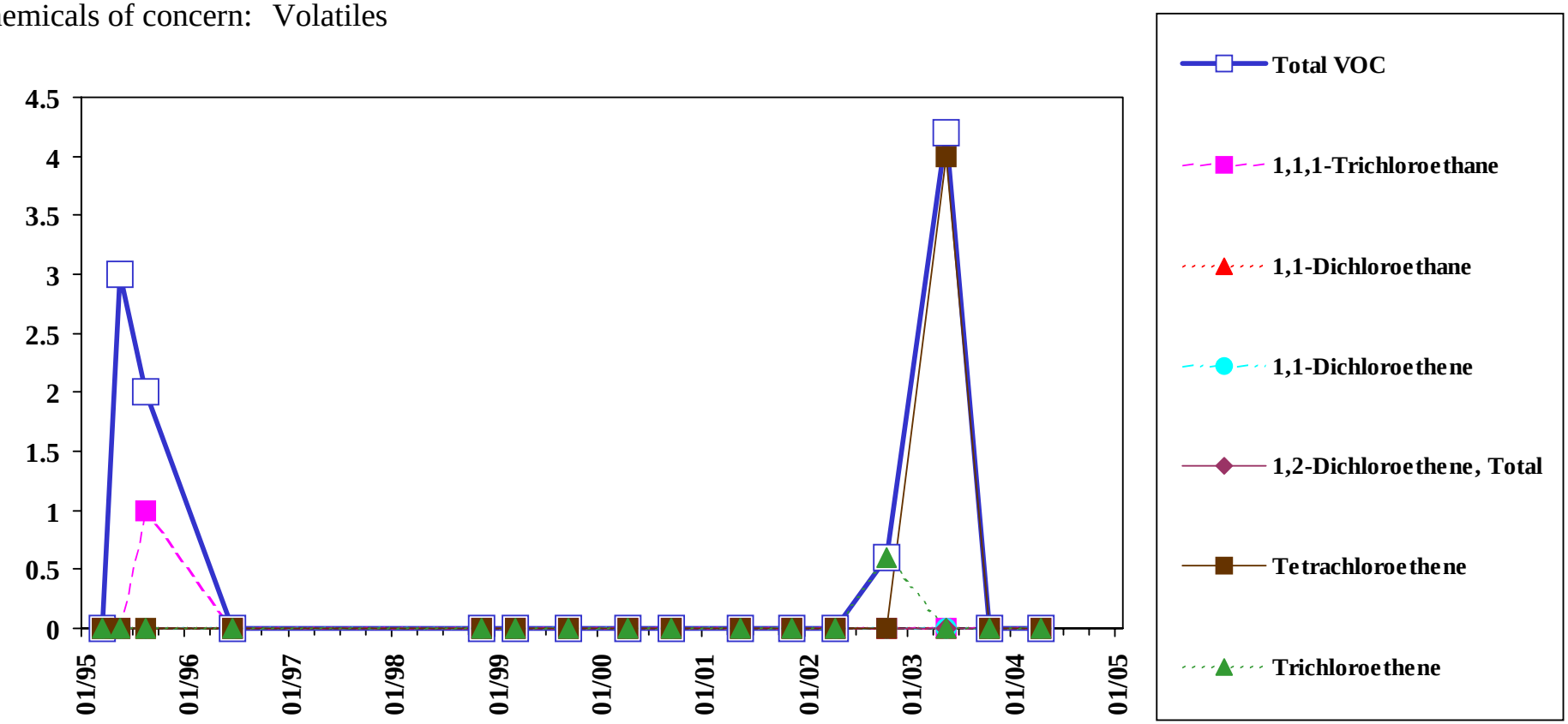
Sample Location:

P-111

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

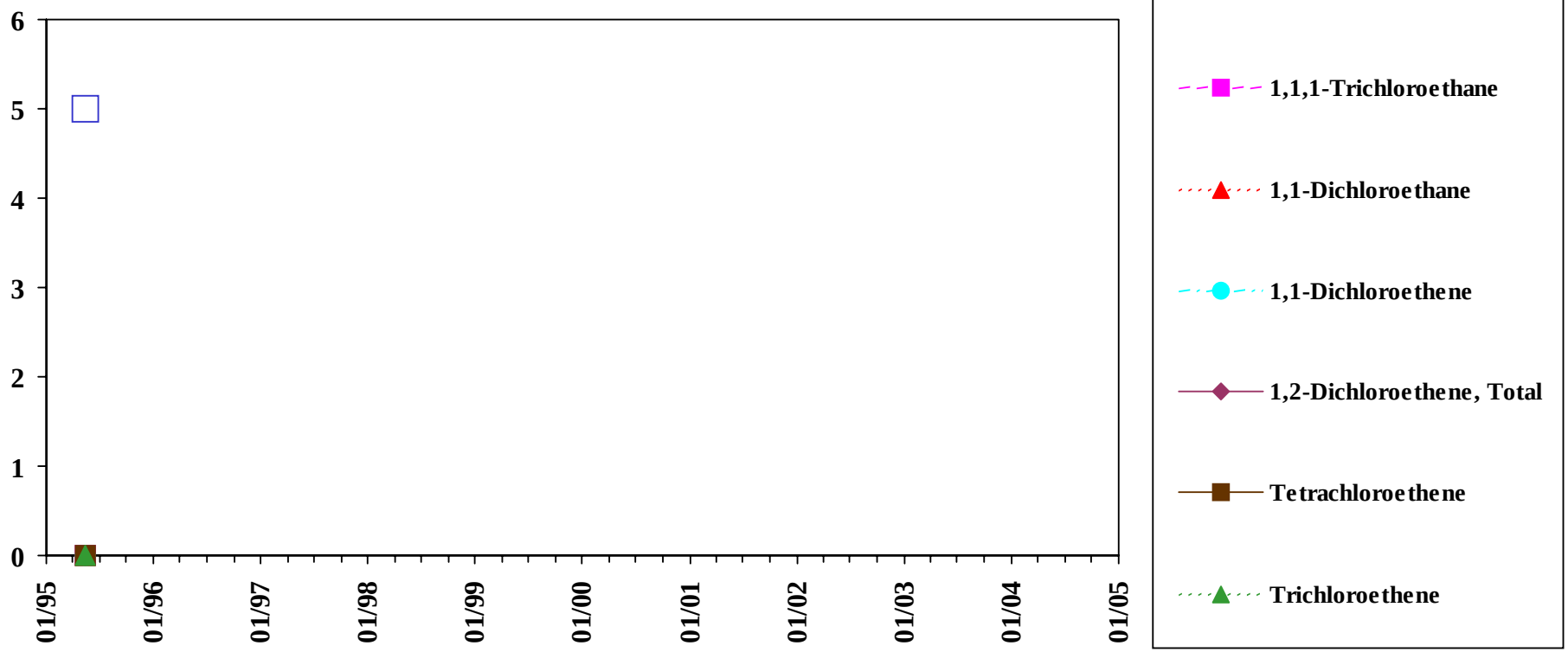
Sample Location:

P-112

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

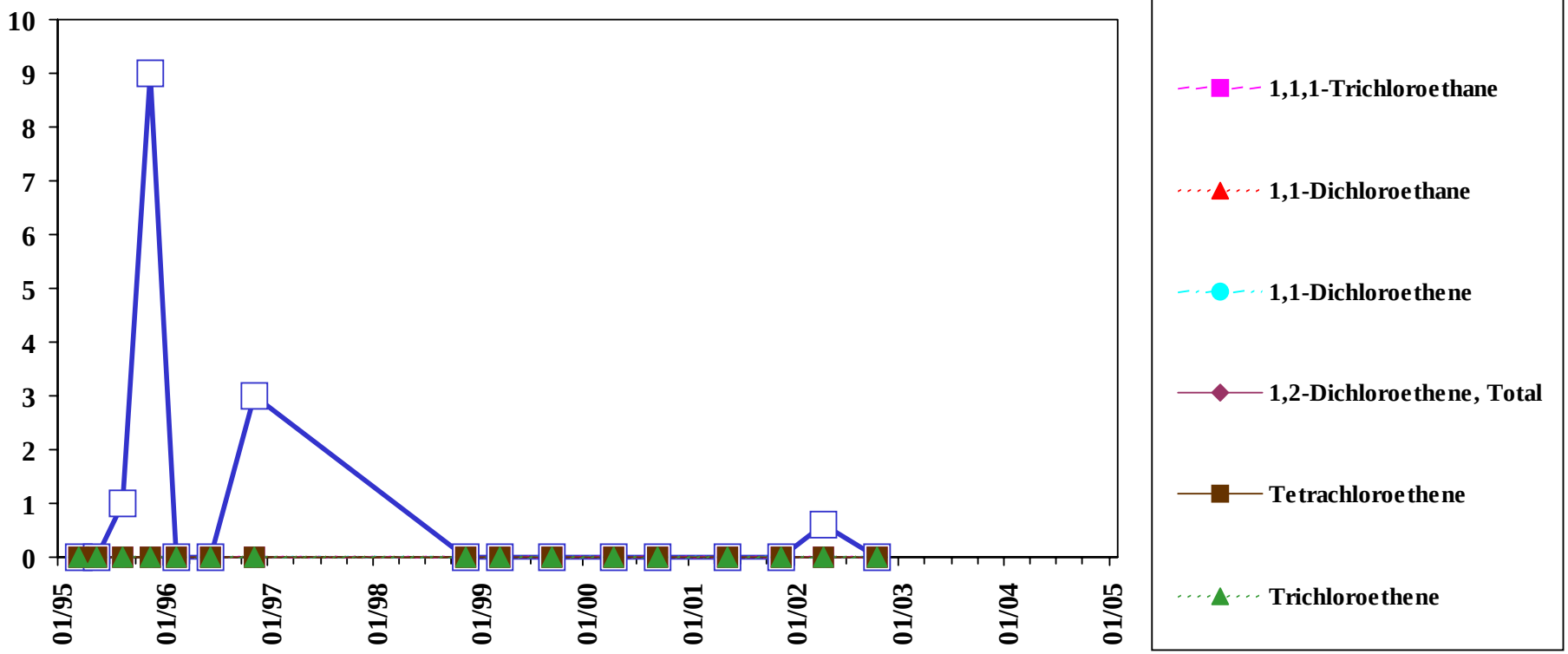
Sample Location:

P-132

Low-flow Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

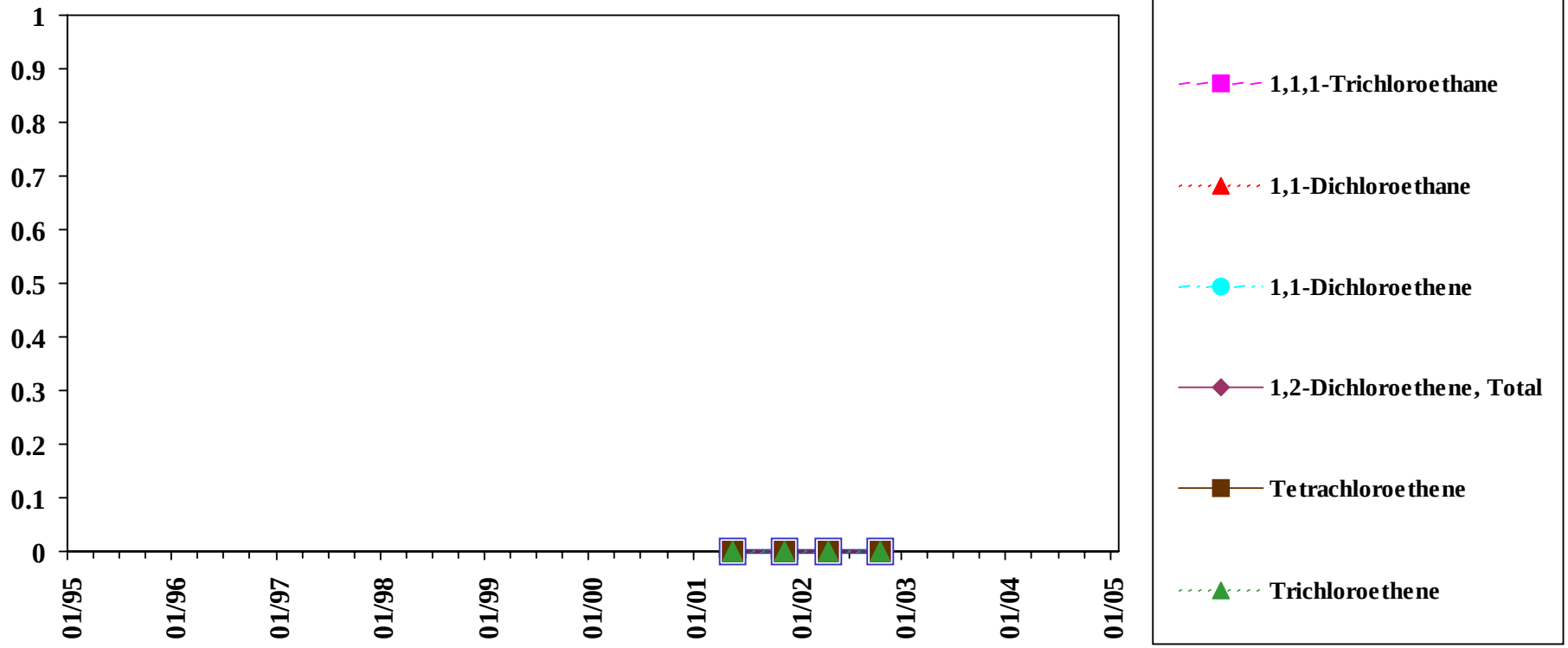
Sample Location:

P-132

Shallow Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

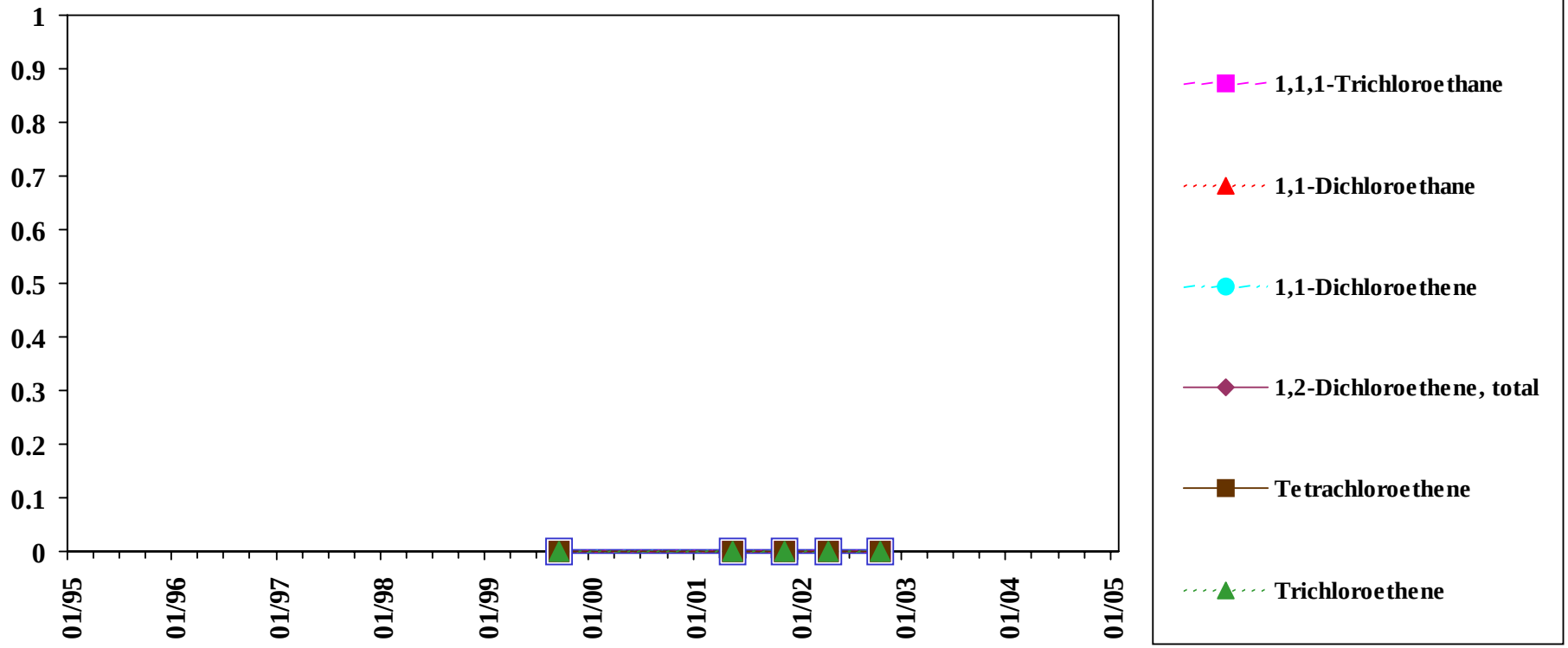
Sample Location:

P-132

Mid-depth Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

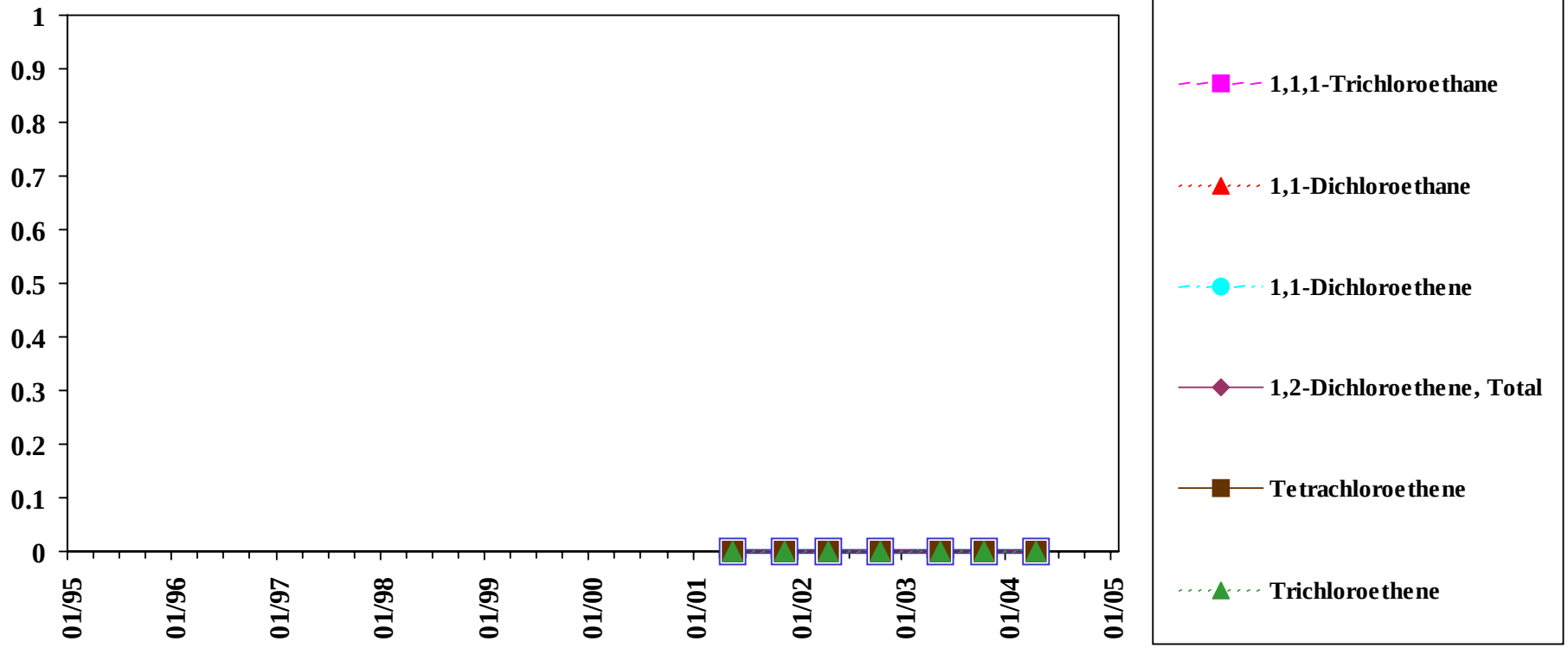
Sample Location:

P-132

Deep Diffusion Sample

Eastern Plume Groundwater

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

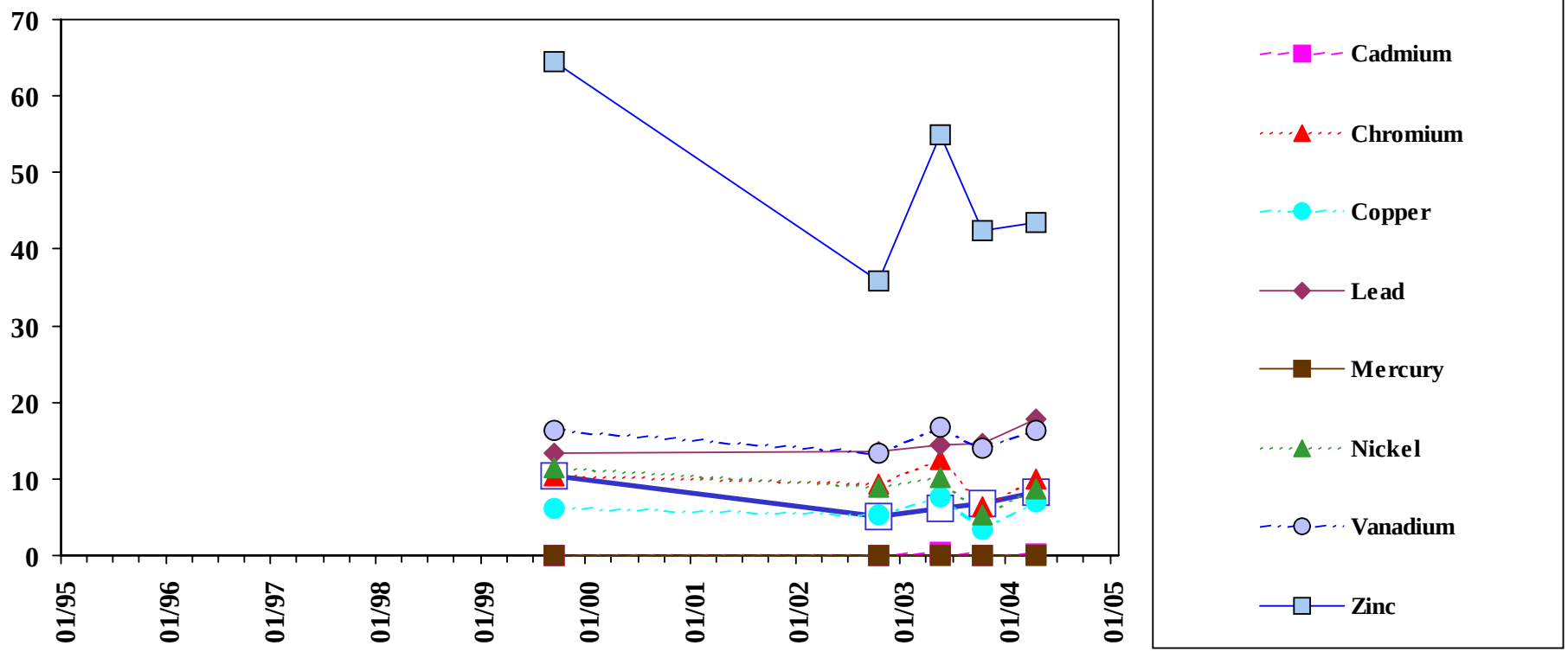
1,1,1-Trichloroethane		1,1-Dichloroethane		1,1-Dichloroethene		1,2-Dichloroethene, total		Tetrachloroethene		Trichloroethene	
MEG:	200	MEG:	70	MEG:	7	MEG:	70	MEG:	3	MEG:	5
MCL:	200	MCL:	-	MCL:	7	MCL:	70	MCL:	5	MCL:	5

Sample Location:

SED-11

Eastern Plume Sediment

Chemicals of concern: Inorganics



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

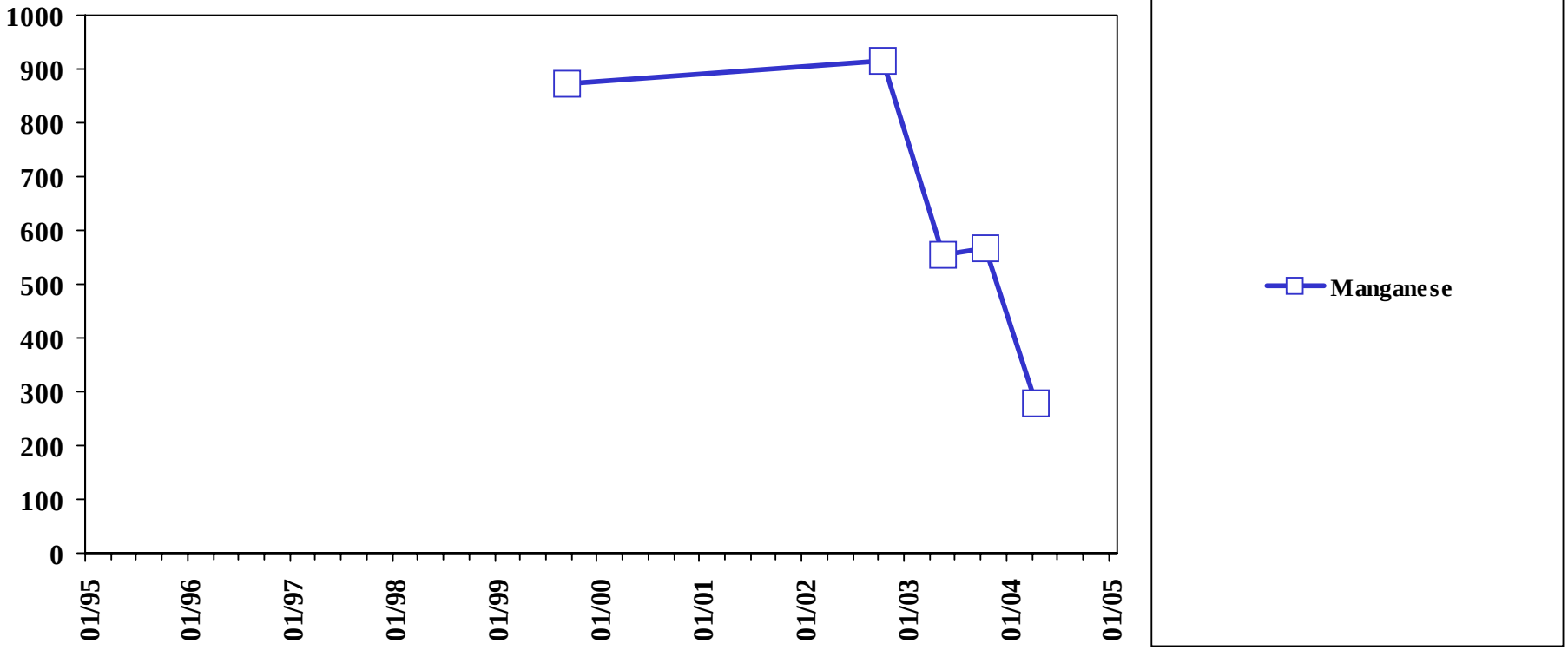
Sample concentration units: mg/Kg

Sample Location:

SED-11

Eastern Plume
Sediment

Chemicals of concern: Inorganics



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

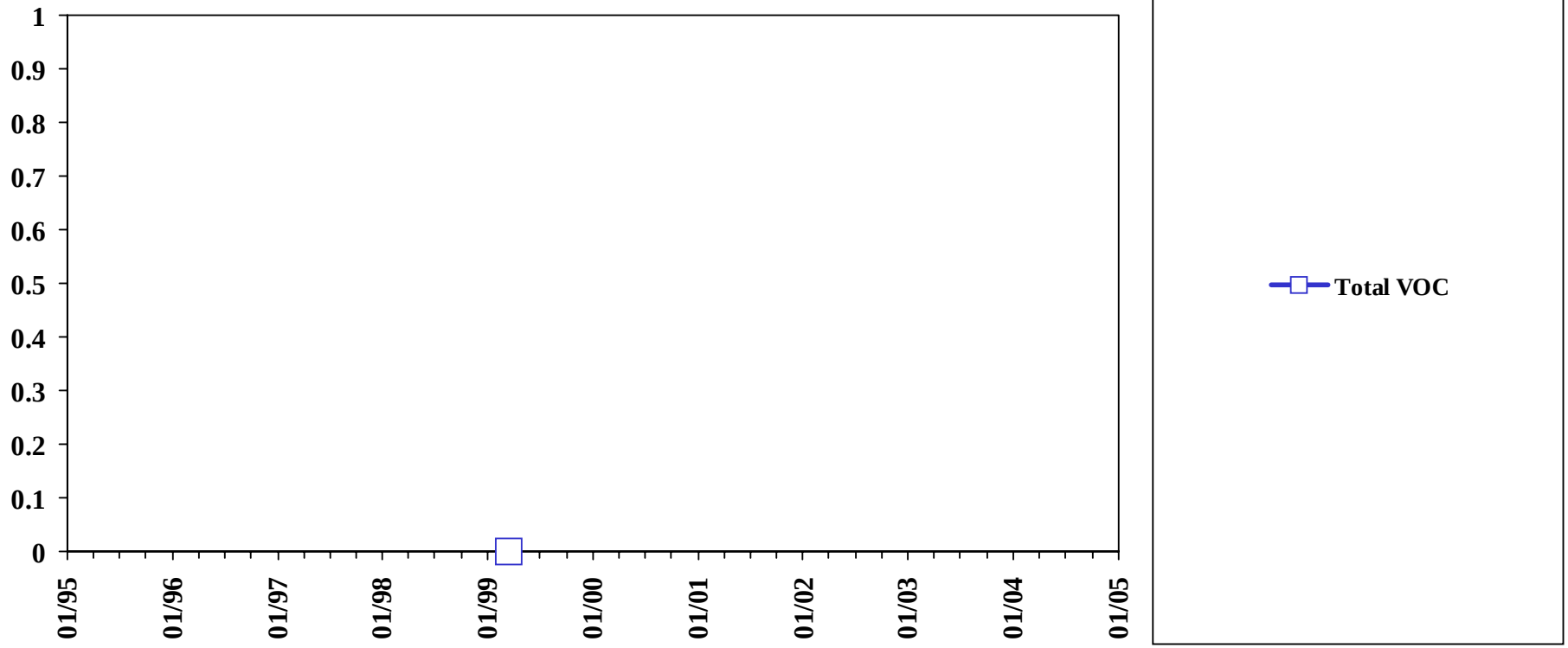
Sample concentration units: mg/Kg

Sample Location:

SEEP-06

Eastern Plume
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

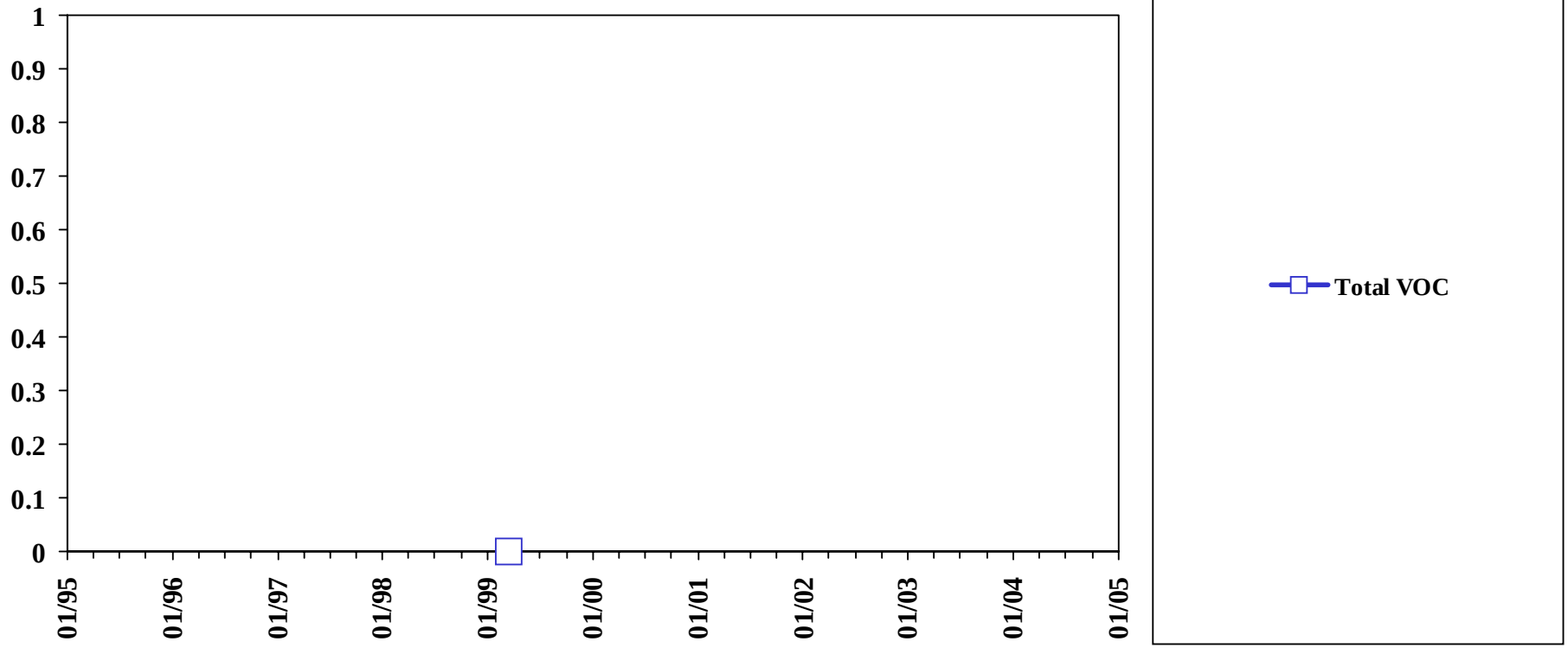
Sample concentration units: µg/L

Sample Location:

SEEP-07

Eastern Plume
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

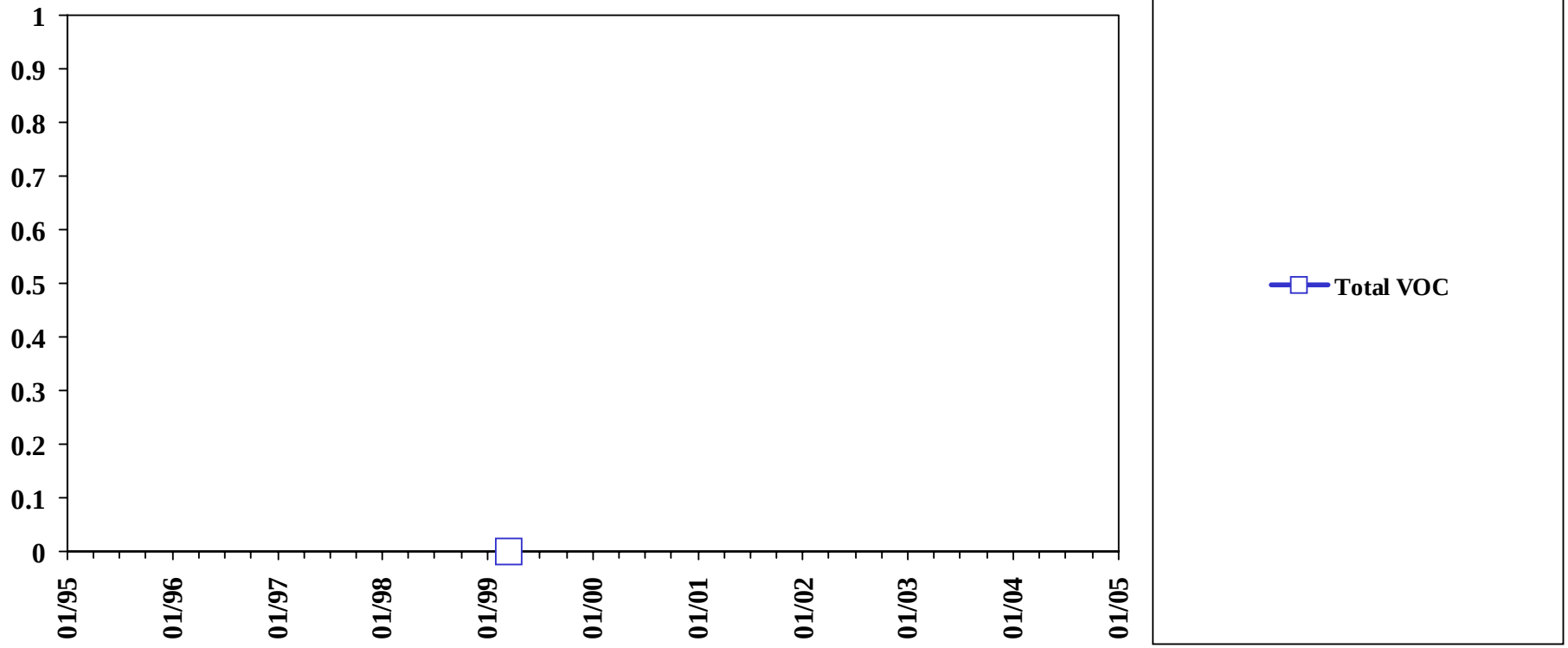
Sample concentration units: µg/L

Sample Location:

SEEP-08

Eastern Plume
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

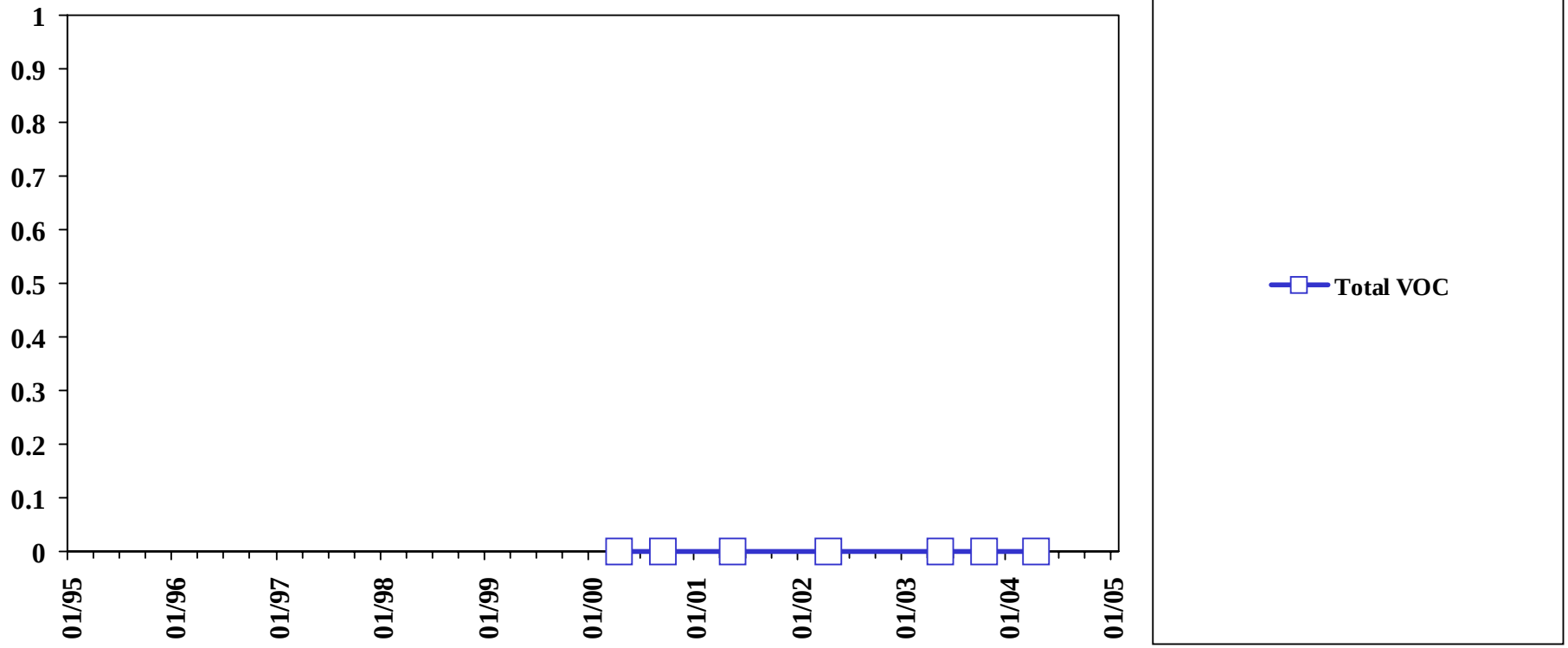
Sample concentration units: µg/L

Sample Location:

SEEP-10

Eastern Plume
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

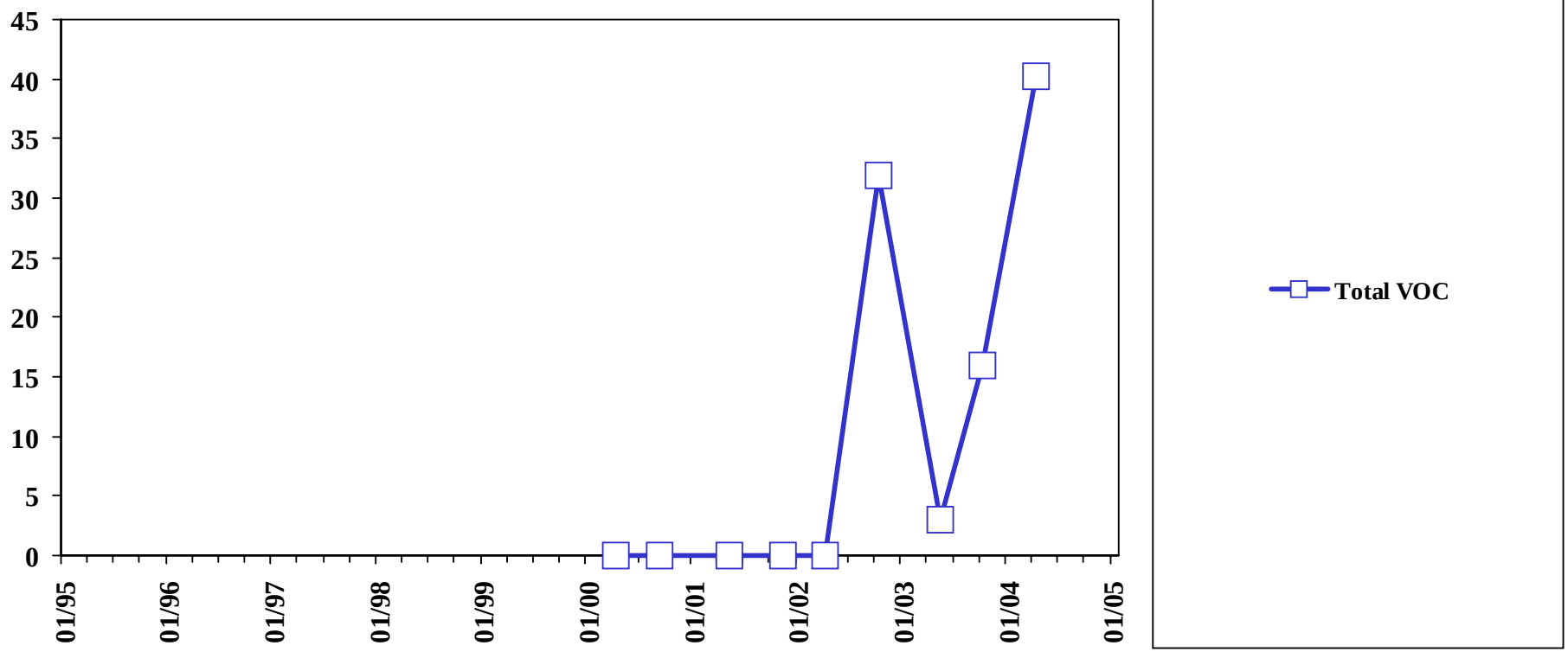
Sample concentration units: µg/L

Sample Location:

SEEP-11

Eastern Plume
Leachate

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

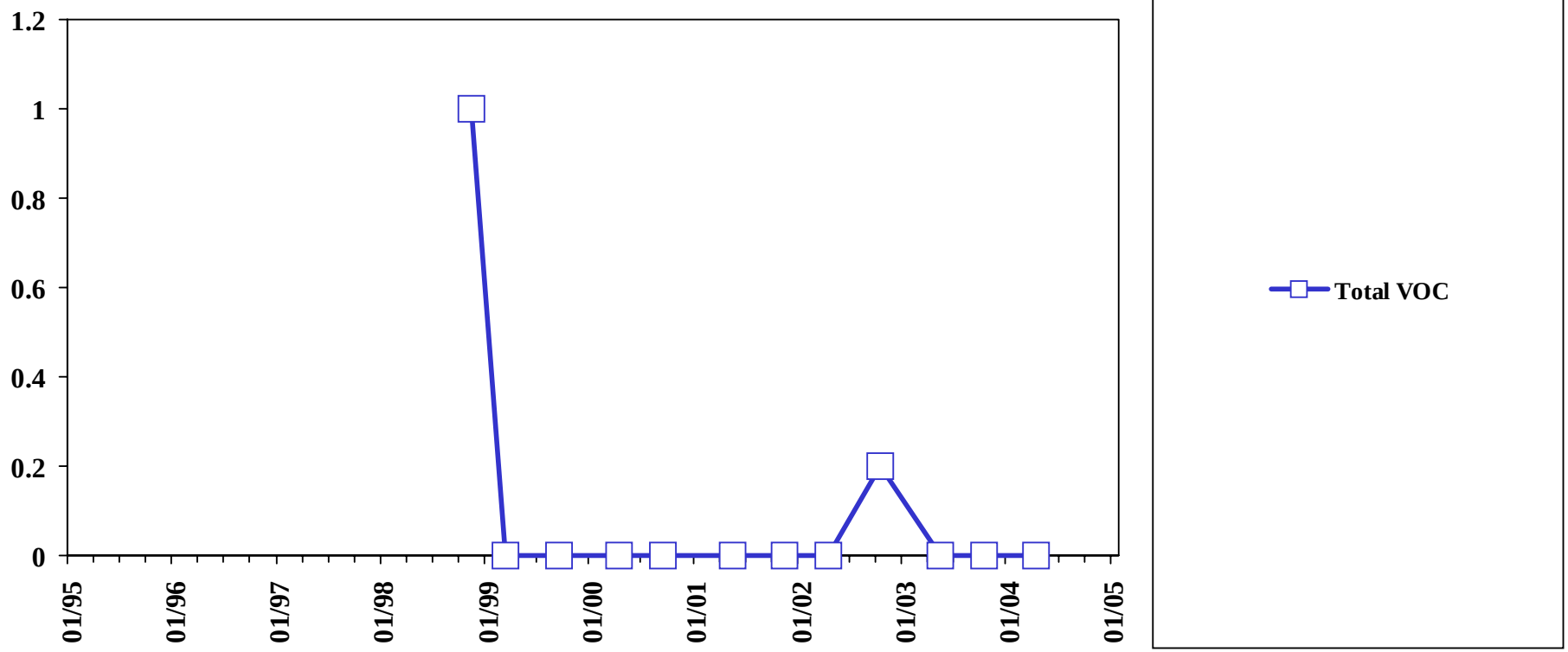
Sample Location:

SW-10

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

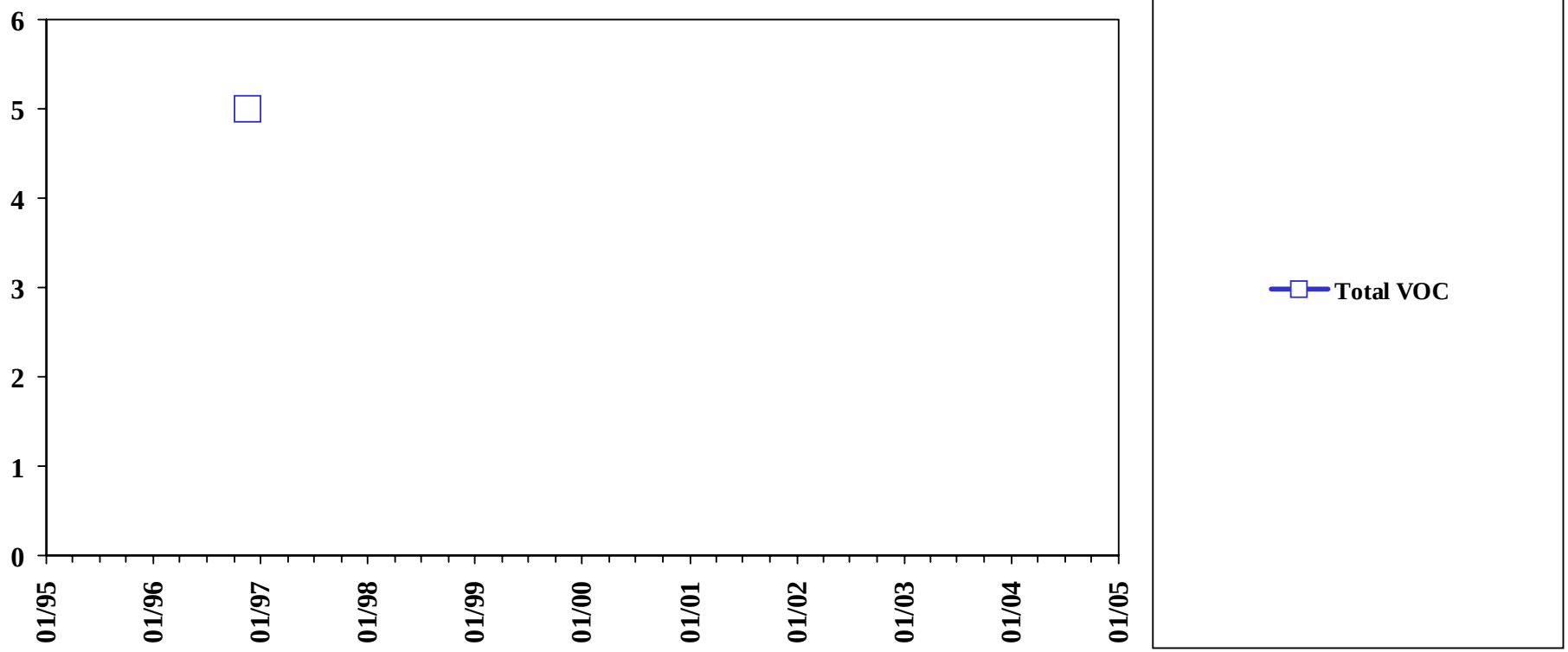
Sample Location:

SW-100

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

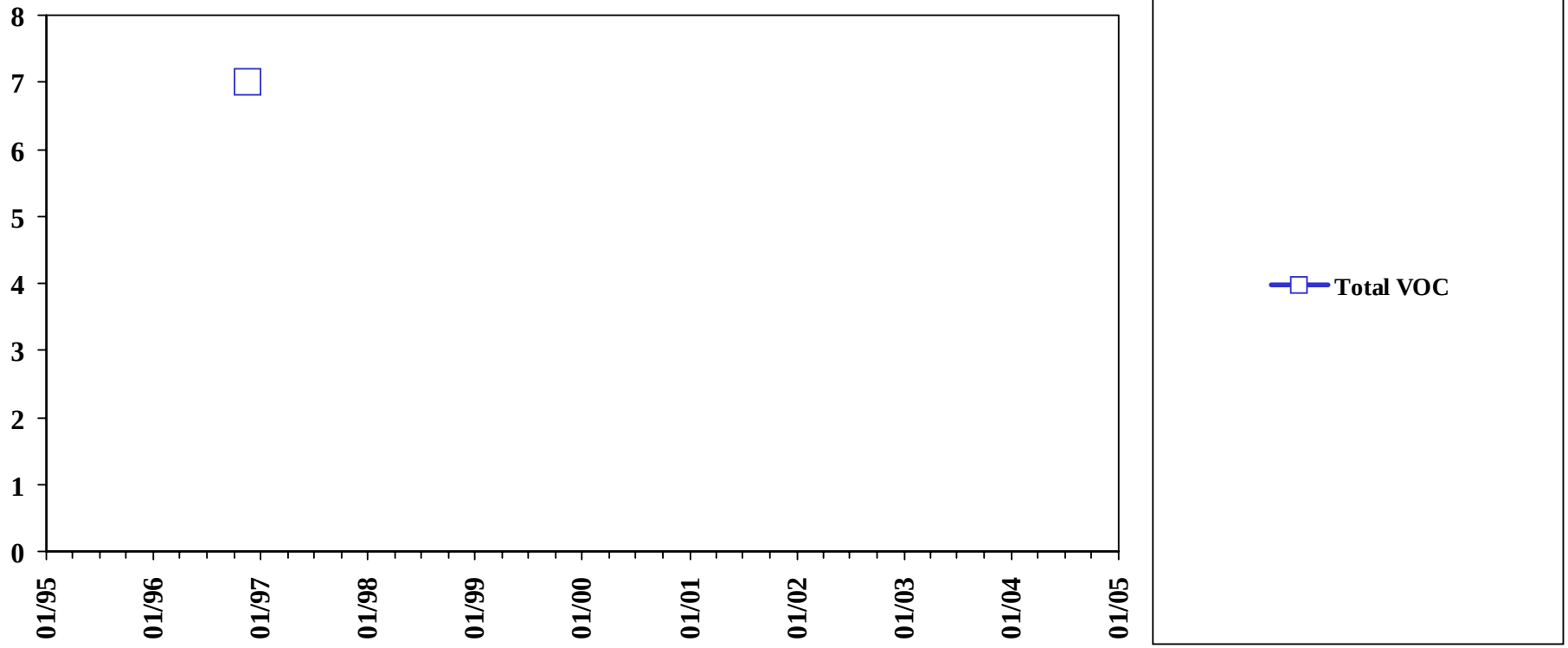
Sample Location:

SW-101

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Sample concentration units: µg/L

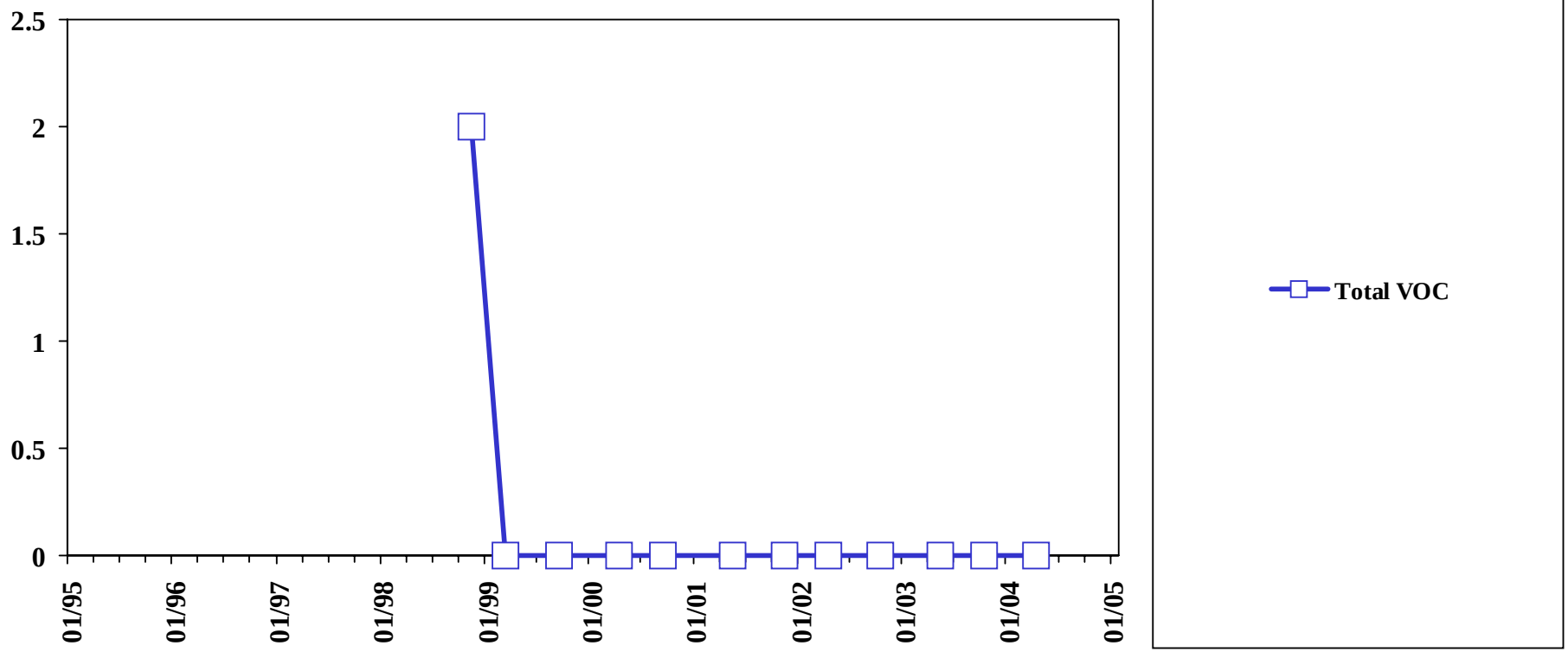
Sample Location:

SW-11

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

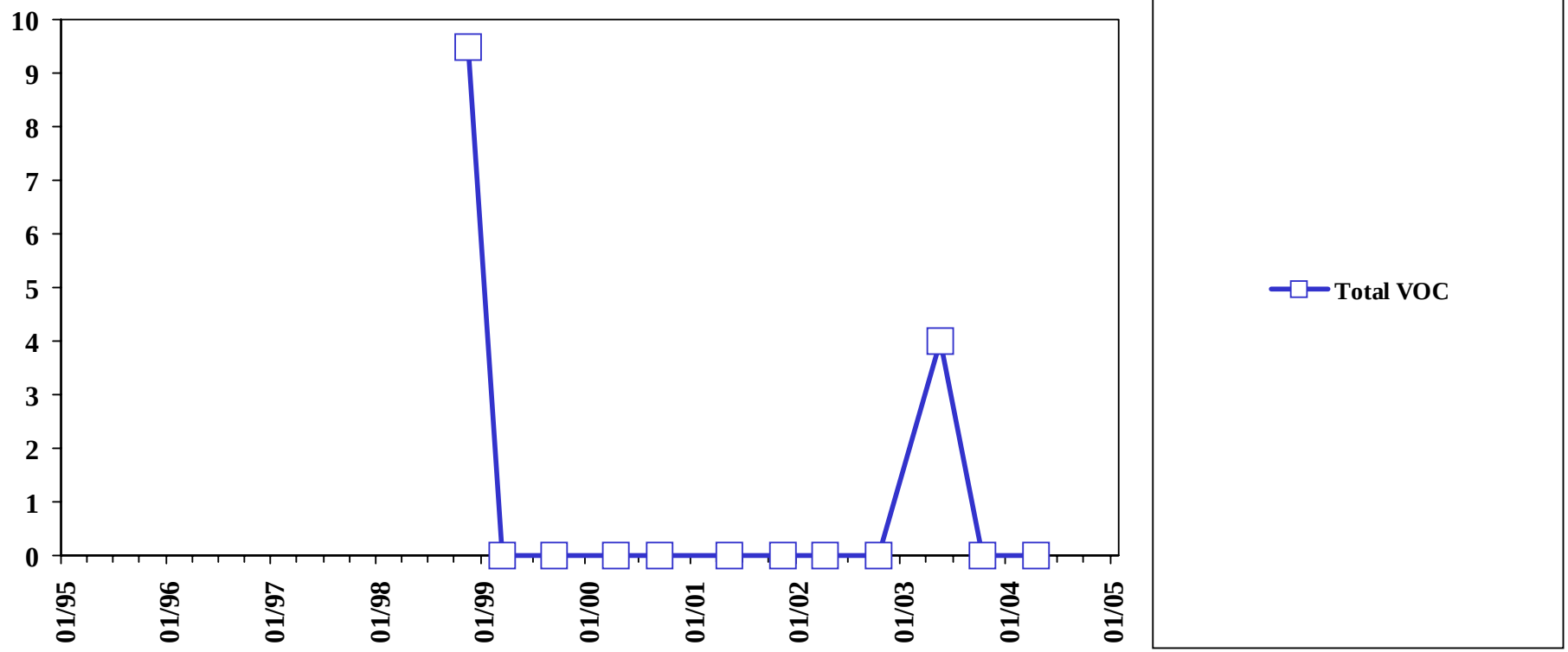
Sample Location:

SW-12

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

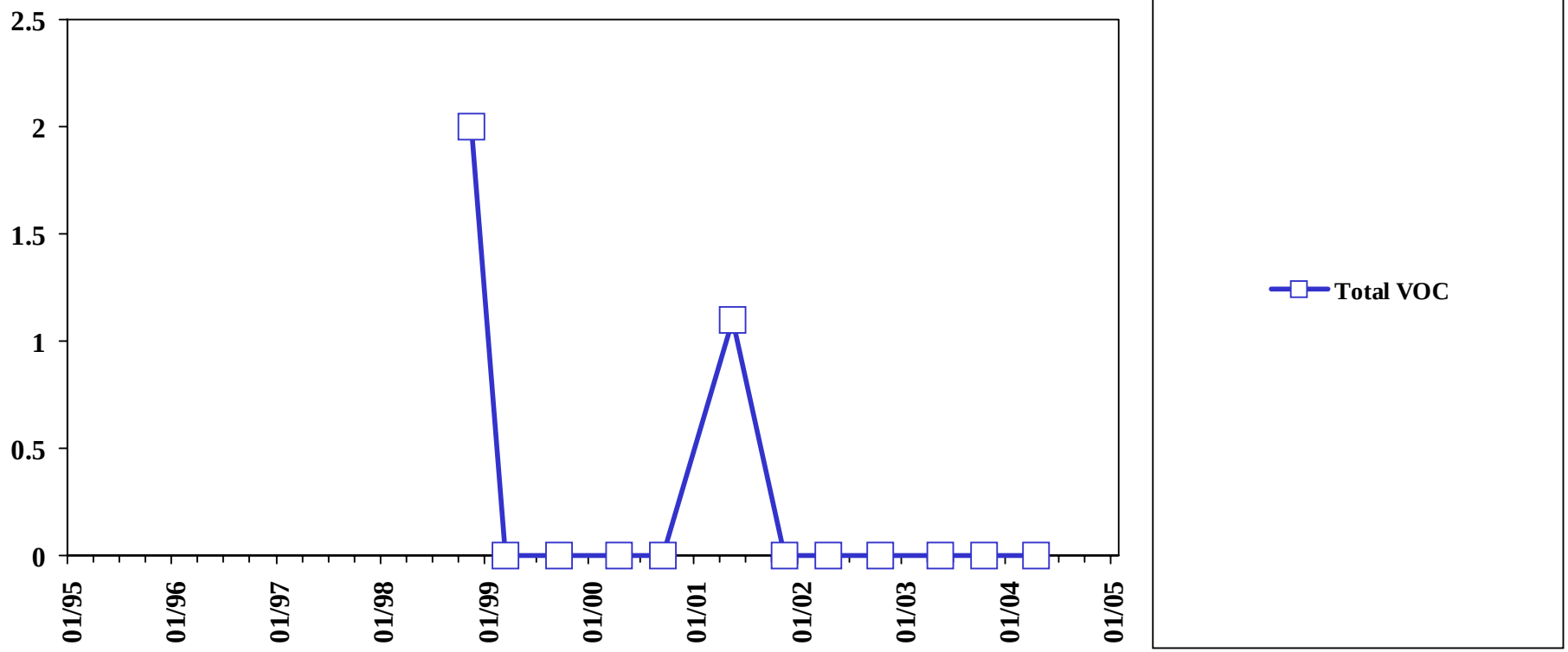
Sample Location:

SW-13

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

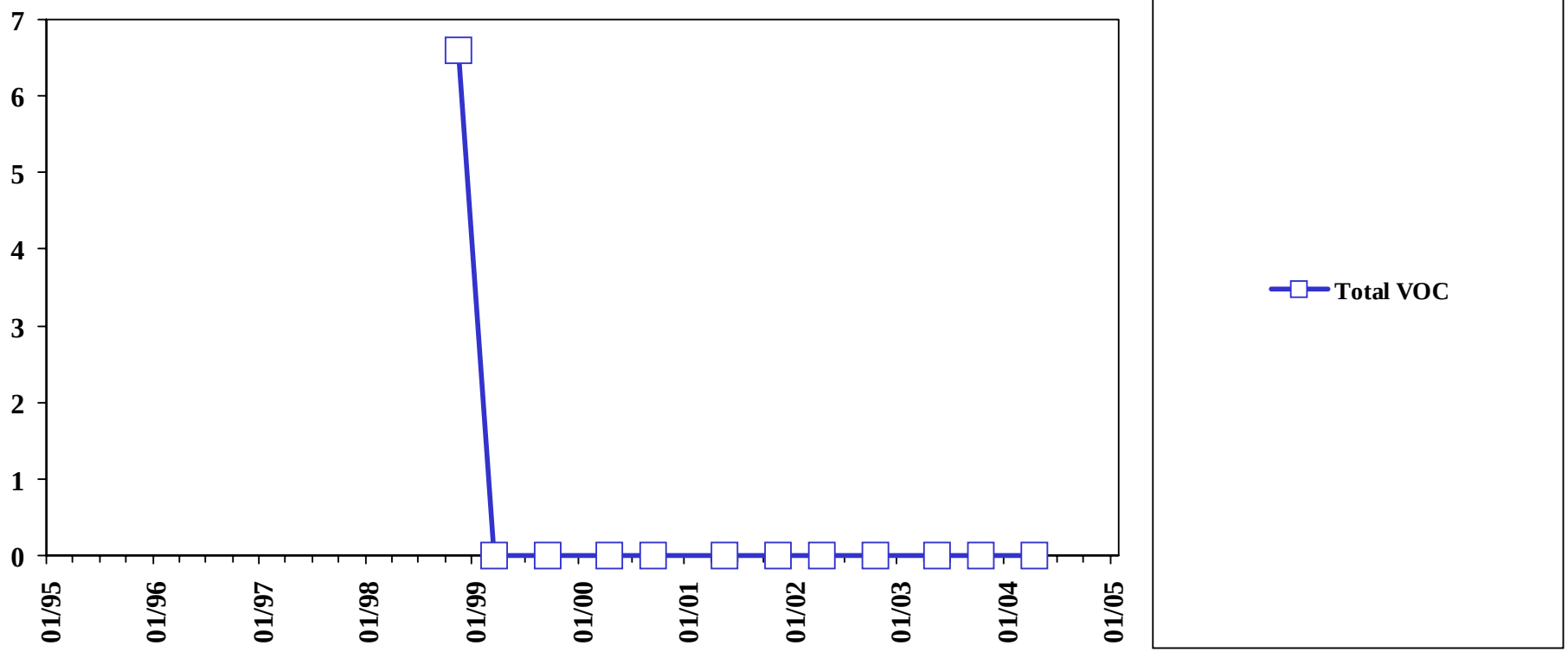
Sample Location:

SW-14

Eastern Plume

Surface water

Chemicals of concern: Volatiles



Analyte concentrations less than the sample detection limit are plotted as zero concentration on this chart.

Total VOC is the sum of all detected VOC except Methylene Chloride, Acetone, and 2-Butanone.

Sample concentration units: µg/L

APPENDIX D

Analytical Data Quality Review

APPENDIX D

ANALYTICAL DATA QUALITY REVIEW

D.1 INTRODUCTION

This project utilized both field and analytical laboratory quality control measures to ensure that the data quality objectives presented in the project-specific Long Term Monitoring Plan (LTMP) Quality Assurance Project Plan (QAPP) (EA 2000a) and the data quality objectives in the project-specific Monitored Natural Attenuation (MNA) Technical Letter (2004) were met.

The sampling program consisted of 106 aqueous samples (of which 18 were field duplicates) (groundwater, surface water, leachate seep, aqueous diffusion, 1,4 dioxane survey samples, and natural attenuation parameter samples) collected from Sites 1 and 3 and Eastern Plume, and 6 sediment samples (of which 2 were field duplicates) collected from Sites 1 and 3 and Eastern Plume. For the combined analyses for these sites, the laboratory was provided with all field samples, which included the following field quality control samples;1 rinsate blank and 10 trip blanks. Field sample duplicates, equipment rinsate, and trip blanks were collected at the frequency required by the QAPP. All samples were provided to Accutest (Marlborough, Massachusetts) for analysis.

Analytical quality control was reviewed for compliance against the measurement performance criteria for precision and accuracy for each sample and analysis type, including field sample duplicates, as presented in the LTMP QAPP. Analytical precision for organics was based upon the relative percent difference (RPD) of the matrix spike/matrix spike duplicates (MS/MSD), and analytical precision for inorganics was based upon the laboratory replicate RPD. Accuracy for organics was based upon the reported spike recoveries for the laboratory control samples (LCS), MS/MSD, and surrogate recoveries for organic analysis, and LCS and MS recoveries for inorganic analysis.

The ability of the laboratory to extract organic compounds was confirmed by the recoveries of the surrogate spikes. MS/MSD and surrogate spike recoveries measure the effect of the sample matrix and extraction on organic sample preparation and measurement methodology. Post digestion spikes, matrix spikes, or serial dilutions are used to measure the effect of the inorganic sample matrix on preparation and measurement methodology. During the MS/MSD process, known quantities of target compounds are spiked into the sample matrix, and recoveries are used to measure potential bias due to matrix effects. The MS/MSD RPD or laboratory replicate RPD is used to determine analytical precision, and the field duplicate RPD is used to determine overall precision. The accuracy of the LCS spike recoveries is used in conjunction with MS/MSD when evaluating organic analyses.

Field completeness was quantified by reviewing the scheduled number of samples to the number of samples actually collected. Data completeness was quantified by determining the ratio of the number of non-rejected analyte measurements to the total number of analyte measurements.

For clarity, the following terms are defined for use throughout this appendix:

- ***Method Detection Limit*** **-** Refers to the minimum concentration that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. The method detection limits for aqueous media are summarized in Appendix B.

- ***Practical Quantitation Limit*** **-** Defined as the lowest concentration that can be reasonably achieved within specified units of precision and accuracy during routine laboratory operating conditions.

- ***Method Reporting Limit*** - Defined as the Project Quantitation Limit adjusted for any necessary sample dilutions, percent moisture, sample volume deviations, and/or extract/digestate volume deviations.

- ***Measurement Performance Criteria***-- Define the acceptable performance for the data quality indicators- accuracy and precision. The LTMP QAPP specifies the project measurement performance criteria (MPC) for LCS, surrogates, MS/MSD, and MS/MSD RPD quality control checks.

- ***Precision*** - Precision is evaluated by comparing the relative percent difference (RPD) of the MS/MSD or laboratory replicate sample pairs to the QAPP RPD limits. If the RPD is outside the measurement performance criteria, the positive detect or non-detect is qualified for the affected compound in the unspiked sample. The overall precision is determined by comparing the field duplicate RPD to the QAPP RPD limits.

- ***Accuracy***-- Accuracy is evaluated by comparing MS/MSD recoveries, surrogate spike recoveries, and LCS recoveries to QAPP MPC.

D.2 LABORATORY ANALYTICAL QUALITY CONTROL PROGRAM

Aqueous samples collected from the monitoring wells, leachate seeps, and surface water were analyzed for LTMP (2000a EA) Target Compound List VOCs by EPA SW-846 Method 8260B and for LTMP (2000a EA) Target Analyte List by EPA SW-846 6010B/7000 Methods. In addition the leachate seep and sediment samples were also analyzed for LTMP (2000a EA) Target Compound List pesticides by EPA SW-846 Method 8081A. The quality control measures specified in the EPA SW-846 methodology (MS/MSD, surrogates, and LCS), as well as those in the QAPP, were performed at the proper frequency by the laboratory and established proper analytical quality control. Aqueous samples collected from monitoring wells and piezometers were analyzed for MNA parameters (EA Technical Letter 2004) by the following methods: EPA Region 1 SOP for methane, ethane, and ethene (a.k.a VSK-175) (EPA 2001), alkalinity (EPA

310.1), chloride((EPA 325.3), ferrous iron (SM 3500 Fe D-18th-20th edition), EPA SW-846 6020 for MNA metals (arsenic, iron, and manganese), nitrate/nitrite (EPA 353.2), nitrite (EPA 354.1), sulfate (EPA 375.4), and total organic carbon (EPA 41.51). Per technical meetings between stakeholders ECC was directed to collect 1,4 Dioxane water samples. This 1,4 dioxane survey was completed by collecting and analyzing by EIA SOP-VOADIOX1 water from four select monitoring wells, one piezometer, and one treatment plant effluent sample. The range of results for the accuracy and precision data quality objectives are discussed in the subsections below.

D.2.1 LABORATORY ACCURACY EVALUATION

D.1.2.1 Evaluating Matrix Spike/Matrix Spike Duplicate Recoveries for Accuracy

Generally, no action is taken based on the MS/MSD data alone to qualify an entire sample delivery group. The qualification is limited to the unspiked sample associated with the MS/MSD. However, professional judgment may be used to qualify samples across a particular sample delivery group (i.e., all associated samples).

- If the spike recovery is greater than the upper control limit, then the positive detects are estimated and the non-detects are not impacted for the affected compounds in the unspiked sample.
- If the spike recovery is greater than or equal to 10 percent, but less than the lower control limit, then the positive detects are estimated and the non-detects are estimated for the affected compounds in the unspiked sample.
- If the spike recovery is less than 10 percent, then the positive detects are estimated and the non-detects are rejected for the affected compounds in the unspiked sample.
- If the matrix spike is not greater than four times the analyte level detected in the field sample, then matrix spike recoveries are not used to evaluate matrix interference.

D.1.2.2 Evaluating Surrogate Recoveries for Accuracy

- If the surrogate recovery is greater than the upper limit, all positive detects are estimated and the non-detects are not effected .
- If the surrogate recovery is greater than or equal to 10 percent, but less than the lower control limit, then all positive detects are estimated and all non-detects are estimated.
- If the surrogate recovery is less than 10 percent, then the positive detects are estimated and all non-detects are rejected.

D.1.2.3 Evaluating Laboratory Control Sample Recoveries for Accuracy

- If the LCS recovery is greater than the upper control limit, the positive detects are estimated and the non-detects are not affected..
- If the LCS recovery is greater than or equal to 10 percent, but less than the lower control limit, the positive detects are estimated and the non-detects are estimated.
- If the LCS recovery is less than 10 percent, the positive detects are estimated and the non-detects are rejected.

D.1.2.4 Evaluating Laboratory Method Blanks for Accuracy

- Method blank results should have no detects greater than the MRL.

D.1.3. LABORATORY ACCURACY ASSESSMENT

D.1.3.1 LTMP, MNA, and 1,4 Dioxane Survey Volatile Organic Compounds

Surrogates
The leachate seep, surface water, sediment, and monitoring well surrogate recoveries were within established control limits for VOC analysis by 8260B and 1,4 Dioxane analysis. The methane, ethane, and ethene analysis method VSK-175 does not require surrogate analysis.

MS/MSD
The groundwater and treatment plant MS/MSD recoveries were low, but the matrix spike was not greater than four times the field sample level of 1,4 dioxane, and the 1,4 dioxane were not impacted by matrix interference.

The surface water sample and treatment plant sample MS/MSD recoveries were within the established control limits and the results are usable as reported.

The monitoring well sample MS/MSD recoveries were within the established control limits, with the exception of styrene. The acetone matrix spike was not greater than four times the field sample level, and acetone results were not impacted by matrix interference. The styrene matrix spike was less than MPC and thus samples have a potential low bias for styrene.

The leachate seep sample MS/MSD recoveries were within the established control limits, and the results are usable as reported.

The leachate sediment sample MS/MSD recoveries were within the established control limits, with the exception of acetone and vinyl chloride, which had matrix spike recoveries greater than the upper control limit. The acetone matrix spike was not greater than four times the field sample level, and vinyl chloride was not detected in associated field samples. Results are usable as reported.

The groundwater MS/MSD recoveries were within limits for ethane, ethene, and methane, and the results are usable as reported.

LCS
The monitoring well, surface water, leachate seep, and leachate seep sediment LCS recoveries were within the established control limits, and the results are usable as reported. Laboratory accuracy based upon the LCS results is acceptable.

The monitoring well and treatment plant effluent LCS recoveries were within the established control limits, and the results are usable as reported. Laboratory accuracy based upon the LCS is acceptable for the 1,4 Dioxane method.

The groundwater LCS recoveries were within the established control limits, and the results are usable as reported. Laboratory accuracy based upon the LCS is acceptable for the methane, ethene, and ethane method.

Method Blanks

The VOC method blanks for aqueous samples were non-detect for all analytes, except for chloroform and acetone. Acetone was not detected in any aqueous field samples, except in one tripblank. Chloroform was detected in two aqueous samples collected from EW-05A and the treatment plant raw influent at concentrations less than five times the associated method blank level. Chloroform results in these two samples were qualified non-detect (U).

The VOC method blank associated with the sediment samples had detects for acetone and 2-butanone. Acetone result was qualified non-detect (U) in sediment sample BN-1&3-24-LT1. 2-butanone results were qualified non-detect (U) in samples BN-1&3-24-LT9, . BN-1&3-24-XD13, BN-1&3-24-LT1, and BN-1&3-24-LT3.

The 1,4 dioxane method blanks for groundwater and treatment plant effluent samples was non-detect for 1,4 dioxane, and there was no apparent laboratory cross-contamination.

Both associated methane, ethene, and ethane method blanks for MNA groundwater samples had detects for methane. All samples with methane detects had methane concentrations greater than five times the associated method blank levels. Sample results are representative of site conditions.

D.1.3.2 LTMP and MNA Target Analyte List Metals

MS/MSD

The MS samples were analyzed at the correct frequency, and the accuracy control limits used to evaluate the data were taken from the QAPP. The LTMP groundwater, surface water, leachate seep, and MNA groundwater MS recoveries were within the established control limits and the results are usable as reported. The mercury MS recovery was below limits, but the matrix spike was not greater than four times the mercury level in the associated field sample. No samples were qualified and no apparent matrix bias exists.

For two sediment MS results, the recovery for antimony was recovered below the lower control limit., and the antimony non-detect result in samples BN-EP-24-SED11 MSMSD was qualified estimated non-detect (UJ). The post digestion spike and serial dilution were within MPC, so there is no apparent matrix bias. In one sediment MS, the recoveries for aluminum and iron were less than the lower control limit, but the matrix spike was not greater than four times the respective metal concentration in the field sample. In one sediment MS, the recoveries for

aluminum were greater than the upper control limit, and the recoveries for manganese were below the lower control limit. Aluminum and manganese detects were qualified as estimated (J) in samples BN-1&3-24-LT9, BN-1&3-24-XD13, BN-1&3-24-LT1, BN-1&3-24-LT3, BN-1&3-24-LT4, and BN-1&3-24-LT5.

LCS
The LCS samples were analyzed at the correct frequency and the accuracy limits used to evaluate the data were taken from the QAPP. LTMP and MNA aqueous and LTMP sediment data have acceptable accuracy based on review of the LCS accuracy.

Method Blanks
Arsenic and iron were detected in method blanks associated with the ICP-MS analysis of MNA groundwater samples. Arsenic detects in MNA groundwater samples BN-EP-24-MW339, BN-EP-24-MW1104, BN-EP-24-MNA-XD2, BN-EP-24-MW332, BN-EP-MNA-XD1, BN-EP-24-MW306, BN-EP-24-MW330, BN-EP-24-P111, BN-EP-24-MW331, BN-EP-24-MW305, BN-EP-24-P106, and BN-EP-24-MW337 were qualified as non-detect (U), because the field sample levels were less than five times the associated method blank detection for arsenic. Iron detects in MNA groundwater samples BN-EP-24-MW306, BN-EP-MNA-XD1, BN-EP-24-MNA-XD2, BN-EP-24-MW332, BN-EP-24-MW319, BN-EP-24-MW105A, BN-EP-24-MW310, BN-EP-24-MW310, BN-EP-24-MW336, BN-EP-24-MW224, and BN-EP-24-MW338B. Manganese was detected in one method blank, but associated manganese concentrations were greater than five times the concentration of manganese in the method blank.

Calcium, lead, and manganese were detected in method blanks associated with the ICP-AES analysis of LTMP sediment samples, but all sediment metals were either non-detect or greater than five times the matrix adjusted method blank levels.

Aluminum, antimony, iron, manganese and vanadium were detected in method blanks associated with the ICP-AES analysis of LTMP groundwater and seep water samples. Aluminum in groundwater samples BN-24-1&3-24-MW204, BN-24-1&3-24-XD10, BN-24-1&3-24-MW203, and BN-24-1&3-24-MW202A, iron and manganese in samples BN-24-1&3-24-MW204, BN-24-1&3-24-XD10, and BN-24-1&3-24-MW203, antimony in samples BN-24-1&3-24-MW204, BN-24-1&3-24-MW240, BN-24-1&3-24-XD10, BN-24-1&3-24-MW219, BN-24-1&3-24-MW203, BN-24-1&3-24-MW218, BN-24-1&3-24-MW202A, BN-24-1&3-24-MW217B, and vanadium in seep water samples BN-1&3-24-SEEP9 and BN-1&3-24-XD11.

D.1.3.3 LTMP Pesticides

Surrogates
Two surrogates were used to measure the ability of the laboratory to extract the target compounds from the field samples. The control limits identified in the QAPP and evaluated by the laboratory were the same for the two surrogates. The seep water sample surrogate recoveries and the sediment sample surrogate recoveries were within the QAPP MPC. All surrogate recoveries were within measurement performance criteria. Sample extraction was acceptable

and without bias.

MS/MSD
All compounds were used to assess the MS/MSD recoveries. The MS/MSD recovery limits stated in the QAPP were the same as used to evaluate the pesticide data. The initial sediment MS recovery was less than 10% for 4,4'-DDT, but was re-analyzed to confirm the residual matrix interference causing the low recovery. The re-analysis was MS recovery was greater than 10% but less than the lower control limit. The 4,4'-DDT detections were qualified as estimated (J) in sediment samples BN-EP-24-SED11 and BN-EP-24-SED-XD17 due to matrix interference yielding a low bias. The seepwater MS recoveries are less than the lower control limit for beta-BHC, heptachlor, gamma-BHC, and endrin, and 4,4 DDT . The seepwater MS recoveries for 4,4-DDT, and methoxychlor were less than 10%. In samples BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, and BN-1&3-24-XD11 4,4-DDT and methoxychlor non-detects were qualified as rejected (R) and beta BHC, heptachlor, and endrin non-detects were qualified estimated non-detect (UJ).

LCS
All of the LTMP QAPP pesticide compounds were used to assess the LCS recoveries. Seep water pesticide LCS recoveries were within limits, except for 4,4'-DDD, 4,4'-DDT and methoxychlor. 4,4' DDD LCS recovery was above the upper control limit, and the 4,4' DDT detect in sample BN-1&3-24-SEEP1 was qualified as estimated (J). The 4,4'-DDT and methoxychlor LCS recoveries were less than 10%. In samples BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, BN-1&3-24-SEEP9, and BN-1&3-24-XD11 4,4-DDT and methoxychlor non-detects were qualified as rejected (R). Laboratory accuracy is acceptable for aqueous samples and acceptable for all sediment pesticide results except 4,4'-DDT and methoxychlor, which were impacted by matrix interference. Sediment LCS recoveries were within measurement performance criteria and had acceptable laboratory accuracy. . .

Method Blanks
Associated method blanks for seepwater and sediment analysis were non-detect for pesticides.

D.1.1.4 MNA Parameters

MNA parameters include all the water quality analytical methods, alkalinity, chloride, ferrous iron, nitrate/nitrite, nitrite, sulfate, and total organic carbon, used to evaluate the potential for biodegradation within the Eastern Plume. Quality control samples as applicable to these methods were validated per the method SOPs and the data quality objectives in the MNA Technical Letter (EA 2004).

MS/MSD
Matrix spike recoveries were within the limits of the applicable analytical methods.

LCS
LCS recoveries were within the limits of the applicable analytical methods.

Method Blank
All method blanks were non-detect for the applicable analytical methods.

D.1.4 LABOROATORY PRECISION EVALUATION

D.1.4.1 LTMP, MNA, and 1,4 Dioxane Survey Volatile Organic Compounds

LTMP QAPP VOCs and more were used to quantify the MS/MSD RPDs. The control limits identified in the QAPP were used to evaluate the data. MS/MSD sets were performed on groundwater samples BN-EP-24-P132 BN-EP-24-MW306, BN-EP-24-MW212, BN-EP-24-MW225A, BN-EP-24-MWXD24, and BN-EP-24-MW335, seep sediment sample BN-2-9-LT-203 and BN-1&3-24-LT9, surface water sample BN-EP-24-SW11, treatment plant effluent water sample BN-EP-24-TPE, and seep water sample BN-EP-24-SEEP10 and BN-1&3-24-SEEP9. RPDs results from MS/MSD sets associated with the leachate seeps were within the established control limits; therefore, analytical precision was determined to be acceptable. The surface water and select groundwater MS/MSD RPDs were greater than criteria for 2-butanone. The field sample BN-EP-24-SW11, BN-EP-24-MWXD24, BN-EP-24-MW3335 result for 2-butanone was qualified estimated non-detect (UJ). All other analytes in this MS/MSD have acceptable MS/MSD RPDs. The seep sediment MS/MSD RPDs were greater than criteria for carbon tetrachloride, chloroethane, 1,1-DCE, trans-1,2 DCE, 1,1,1 TCA, and vinyl chloride, and these VOCs were qualified estimated non-detect (UJ) in samples BN-1&3-24-LT9, BN-1&3-24-XD13, BN-1&3-24-LT1, BN-1&3-24-LT3, BN-1&3-24-LT4, and BN-1&3-24-LT5. All other analytes in this MS/MSD have acceptable MS/MSD RPDs. Overall the laboratory precision is acceptable for aqueous samples, and the sediment samples had variable matrix spike recovery impacting the precision assessment.

MNA VOCs methane, ethane, and ethene were used to quantify the MS/MSD RPDs. The control limits identified in the method were used to evaluate the data. MS/MSD sets were performed on field groundwater samples BN-EP-24-MW331 and BN-EP-24-MW306. MNA VOC MS/MSD RPDs were acceptable, and the laboratory precision is acceptable.

The 1,4 dioxane was used to quantify the MS/MSD RPD. The control limits identified in the method were used to evaluate the data. MS/MSD sets were performed on groundwater and treatment plant effluent samples, BN-EP-24-MW331 and BN-EP-TPE respectively. The 1,4 dioxane MS/MSD RPDs were within method limits, and the laboratory precision is acceptable.

D.1.4.2 LTMP and MNA Target Analyte List Metals

Laboratory Replicate
All LTMP and MNA TAL metals were used to quantify the laboratory duplicate RPD. The control limits identified in the QAPP for aqueous and sediment replicate RPDs for LTMP QAPP Target Analyte List and MNA metals were used.

The laboratory replicated the analyses of field samples BN-24-1&3-24-MW203 (groundwater), BN-1&3-24-LT9 (sediment), BN-1&3-24-SEEP9 (seepwater), BN-EP-24-SED11 MS/MSD, and

BN-EP-24-MNAXDA (MNA groundwater. The lead and thallium results in six samples (BN-1&3-24-SW09, BN-1&3-24-SEEP9,BN-1&3-24-XD11,BN-1&3-24-SEEP1, BN-1&3-24-SEEP3, and BN-1&3-24-SEEP5) were qualified estimated (J) for detects and estimated non-detect (UJ) for non-detect results. The antimony, cadmium, magnesium, selenium, and thallium results in six samples (BN-1&3-24-LT9, BN-1&3-24-XD13, BN-1&3-24-LT1, BN-1&3-24-LT3, BN-1&3-24-LT4, and BN-1&3-24-LT5) were qualified estimated (J) for detects and estimated non-detect (UJ) for non-detect results. The arsenic and selenium result in one field sample BN-EP-24-SED11MSMSD is qualified as estimated (J) due to laboratory replicate RPD exceedance.

MS/MSD
All LTMP and MNA TAL metals were used to quantify the MS/MSD RPD. The control limits identified in the QAPP for aqueous and sediment replicate RPDs for LTMP QAPP Target Analyte List and MNA metals were used. The field samples used for the MS/MSD RPD determination are BN-EP-24-MW306 and BN-EP-24-MW331 MSMSD. All MS/MSD RPDs are within limits, and the laboratory precision is acceptable.

D.1.4.3 LTMP Pesticides

All LTMP QAPP pesticide compounds were used to assess the MS/MSD RPD. The control limits identified in the QAPP were the same as those evaluated by the laboratory.

The MS/MSD RPD was greater than the precision criteria for gamma-BHC, endrin, 4,4 DDT, 4,4 DDE, methoxychlor, and heptachlor for the analysis of seep water samples. Laboratory precision is low for these pesticides due to matrix interference. Detects of these analytes have been qualified as estimated (J), and non-detects have been qualified as non-detect with estimated detection limit (UJ) in seepwater sample results. The MS/MSD RPD was greater than the precision criteria for 4,4 DDT and heptachlor for the analysis of sediment samples.

D.1.4.4 MNA Parameters

The laboratory replicated the analyses of field samples BN-EP-24-MW333, BN-EP-24-MW331, BN-EP-24-SED11, BN-EP-24-MW337, BN-EP-24-MW335, BN-EP-24-MW306, BN-EP-24-MNA-XD2, and BN-EP-24-MW332. For all applicable methods the laboratory replicate precision was within limits, and the laboratory precision is acceptable.

D.2 FIELD SAMPLING PROGRAM QUALITY CONTROL

Field sampling quality control was acceptable and conducted according to the LTMP (EA 2000a). Field duplicate samples were collected for LTMP groundwater, surface water, leachate seep sediment, and leachate seep, MNA parameters, and the 1,4 dioxane survey. Field duplicates were analyzed for the same parameters as the field samples to determine field sampling precision and overall precision. The potential for cross-contamination of volatile organics during sample storage and shipment was assessed by trip blanks which were shipped with each sample cooler

containing VOC samples. The LTMP trip blanks were analyzed for volatile organic compounds (VOCs) by EPA SW-846 Method 8260B, and the 1,4 dioxane survey tripblanks were analyzed for 1,4 dioxane. Tripblanks were not analyzed for methane, ethane, or ethene.

D.2.1 FIELD PRECISION EVALUATION

Duplicate field samples were collected during the LTMP monitoring well groundwater sampling program, leachate seep sediment sampling program, and leachate seep sampling program, during the MNA sampling program, and during the 1,4 dioxane surveys. The sample locations of the field duplicate samples were not identified to the laboratory. The precision measurements for all detected analytes in the field duplicate-field sample pair that have concentrations twice the MRL are presented in the tables below.

D.2.1.1 Field Duplicate Sample Precision Evaluation

Field duplicate samples are used to evaluate the overall precision of both the field and laboratory. EPA Region 1 criteria for evaluating field duplicates was used to review the field duplicate collected and analyzed during the sampling event.

- The relative percent difference (RPD) between the field sample and corresponding field duplicate was calculated for sample results greater than twice the MRL.
- A detect greater than the MRL in one but non-detect in another sample of the field duplicate pair were qualified as estimated for detects and non-detect results were qualified as estimated non-detect.
- The difference between the field sample concentration and the field duplicate sample concentrations was calculated for FD pair results with detections.
- The overall precision was evaluated as being acceptable if the Relative Percent Difference (RPD) between the field duplicate and the field sample results are less than 30 percent for aqueous samples and less than 50 percent for solid samples.

D.2.1.2 Field Precision Assessment

Twenty field samples and corresponding field duplicate samples, listed in the table below, were collected during LTMP and MNA parameter monitoring well sampling and the 1,4 dioxane survey. The aqueous field duplicate RPD criteria is 30% and the sediment FD RPD criteria is 50%.

Field Sample	Field Duplicate	Matrix
BN-24-1&3-24-MW203	BN-24-1&3-24-XD10	Groundwater
BN-EP-24-MW224	BN-EP-24-MWXD18	Groundwater
BN-EP-24-MW225A	BN-EP-24-MW-XD20	Groundwater
BN-EP-24-MW-230A	BN-EP-24-MW-XD23	Groundwater
BN-EP-24-MW306	BN-EP-24-MNA-XD2	Groundwater
BN-EP-24-MW308	BN-EP-24-MWXD21	Groundwater
BN-EP-24-MW310	BN-EP-24-MNAXDA	Groundwater
BN-EP-24-MW331	BN-EP-MNA-XD1	Groundwater
BN-EP-24-MW332	BN-EP-24-MW-XD19	Groundwater
BN-EP-24-MW335	BN-EP-24-MWXD25	Groundwater
BN-EP-24-MW337	BN-EP-24-MW-XD24	Groundwater
BN-EP-24-MW337	BN-EP-24-MW-XD3	Groundwater
BN-EP-24-MW331	BN-EP-24-XD1	Groundwater
BN-1&3-24-LT9	BN-1&3-24-XD13	Sediment
BN-EP-24-SED11	BN-EP-24-SED-XD17	Sediment
BN-1&3-24-LT9	BN-1&3-24-XD13	Seepwater
BN-1&3-24-SEEP9	BN-1&3-24-XD11	Seepwater
BN-EP-24-SEEP10 MSMSD	BN-EP-24-SEEP-XD15	Seepwater
BN-EP-24-SW11MSMSD	BN-EP-24-SW-XD16	Surface water
BN-EP-24-TPE-MSMSD	BN-EP-24-TPE-XD14	Treatment Plant Effluent

Thirteen field samples and corresponding field duplicate samples were collected during LTMP, MNA, and 1,4 dioxane sample collection. The following table shows groundwater analytes detected field sample and/or in the corresponding field duplicate sample.

Compound	**Units**	**BN-24-1&3-24-MW203**	**BN-24-1&3-24-XD10**	**RPD%**	**Concentration Difference**
cis-1,2-Dichloroethene	µg/L	0.49	ND	NC	0.43
Compound	**Units**	**BN-EP-24-MW224**	**BN-EP-24-MWXD18**	**RPD%**	**Concentration Difference**
Tetrachloroethene	ug/l	1.5	1.1	NC	0.4
cis-1,2-Dichloroethene	ug/l	9.5	8.7	8.8	0.8
Trichloroethene	ug/l	8.2	7.0	15.8	1.2
Compound	**Units**	**BN-EP-24-MW225A**	**BN-EP-24-MW-XD20**	**RPD%**	**Concentration Difference**
Tetrachloroethene	ug/l	7.3	7.4	1.4	0.1
cis-1,2-Dichloroethene	ug/l	12.5	12.4	0.8	0.1
1,1,1-Trichloroethane	ug/l	3.0	3.5	15.4	0.5
1,1-Dichloroethane	ug/l	ND	0.35	NC	0.35
1,1-Dichloroethene	ug/l	1.2	1.1	8.7	0.1
Trichloroethene	ug/l	10.2	10.7	4.8	0.5
Compound	**Units**	**BN-EP-24-MW-230A**	**BN-EP-24-MW-XD23**	**RPD%**	**Concentration Difference**
1,1-Dichloroethane	ug/l	0.48	0.52	8.0	0.04
Trichloroethene	ug/l	6.6	6.5	1.5	0.1
Compound	**Units**	**BN-EP-24-MW306**	**BN-EP-24-MNA-XD2**	**RPD%**	**Concentration Difference**
Iron	ug/l	89.2	73.7	19.0	15.5
Manganese	ug/l	4.0	3.2	22.2	0.8
Arsenic	ug/l	1.1	1.0	9.5	0.1
Chloride	mg/l	8.1	17.1	**71.4**	9
Total Organic Carbon	mg/l	ND	1.0	NC	1
Alkalinity, Total as CaCO3	mg/l	8.1	14.1	**54.1**	6
Compound	**Units**	**BN-EP-24-MW308**	**BN-EP-24-MWXD21**	**RPD%**	**Concentration Difference**
ND	ug/l	ND	ND	NC	NC

Compound	**Units**	**BN-EP-24-MW310**	**BN-EP-24-MNAXDA**	**RPD%**	**Concentration Difference**
Chloride	mg/l	16.1	15.6	3.2	0.5
Nitrogen, Nitrate + Nitrite	mg/l	1.9	1.8	5.4	0.1
Sulfate	mg/l	7.2	6.3	13.3	0.9
Nitrogen, Nitrate	mg/l	1.9	1.8	5.4	0.1
Alkalinity, Total as CaCO3	mg/l	21.2	17.2	20.8	4
Iron	ug/l	164	226	**31.8**	62
Manganese	ug/l	4.3	4.5	4.5	0.2
Arsenic	ug/l	1.6	1.3	20.7	0.3
Compound	**Units**	**BN-EP-24-MW331**	**BN-EP-MNA-XD1**	**RPD%**	**Concentration Difference**
Iron	ug/l	45.1	86.4	NC	41.3
Chloride	mg/l	70.5	9.1	**154.3**	61.4
Nitrogen, Nitrate + Nitrite	mg/l	0.83	0.19	**125.5**	0.64
Sulfate	mg/l	11.0	6.4	**52.9**	4.6
Nitrogen, Nitrate	mg/l	0.83	0.19	**125.5**	0.64
Alkalinity, Total as CaCO3	mg/l	35.4	ND	NC	35.4
Manganese	ug/l	3.4	4.8	**34.1**	1.4
Compound	**Units**	**BN-EP-24-MW331**	**BN-EP-24-XD1**	**RPD%**	**Concentration Difference**
1,4-Dioxane	ug/l	9.5	7.2	27.5	2.3
Compound	**Units**	**BN-EP-24-MW332**	**BN-EP-24-MW-XD19**	**RPD%**	**Concentration Difference**
1,2-Dichloroethane	ug/l	2.5	2.5	0.0	0
Tetrachloroethene	ug/l	1.2	1.0	18.2	0.2
cis-1,2-Dichloroethene	ug/l	9.1	9.2	1.1	0.1
Chloroform	ug/l	9.5	18.7	**65.2**	9.2
1,1,1-Trichloroethane	ug/l	38.3	37.4	2.4	0.9
Bromodichloromethane	ug/l	1.2	ND	NC	1.2
1,1-Dichloroethane	ug/l	3.0	2.8	6.9	0.2
1,1-Dichloroethene	ug/l	5.2	4.5	14.4	0.7
Trichloroethene	ug/l	15.7	13.2	17.3	2.5
Compound	**Units**	**BN-EP-24-MW335**	**BN-EP-24-MWXD25**	**RPD%**	**Concentration Difference**
ND	ug/l	ND	ND	NC	NC
Compound	**Units**	**BN-EP-24-MW337**	**BN-EP-24-MW-XD3**	**RPD%**	**Concentration Difference**
Iron	ug/l	1910	1960	2.6	50
Chloride	mg/l	11.1	11.6	4.4	0.5

Alkalinity, Total as CaCO3	mg/l	47.5	48.5	2.1	1
Manganese	ug/l	714	680	4.9	34
Arsenic	ug/l	3.0	2.8	6.9	0.2
Compound	**Units**	**BN-EP-24-MW337**	**BN-EP-24-MW-XD24**	**RPD%**	**Concentration Difference**
Trichloroethene	ug/l	1.3	1.1	16.7	0.2

NOTE: NC: not calculated – one result was non-detect or the analyte level was less than twice the MRL.
Results in bold indicate an exceedance of the field duplicate RPD (30%) precision data quality objective for analytes with concentration greater than twice the MRL.

The overall precision is acceptable for LTMP, MNA parameter, and 1,4 dioxane monitoring well sampling and analysis for LTMP VOCs, 1,4 dioxane, and MNA parameters, except for select MNA parameters in three FD pairs. One or more MNA FD pairs for had FD RPD exceedances for chloride, nitrate/nitrite, sulfate, nitrate, manganese, iron and alkalinity. One LTMP FD pair had an exceedance of the FD RPD criteria for chloroform.

Three field samples and corresponding field duplicate samples were collected during LTMP seep water sample collection. The following table shows seep water analytes detected in field sample and/or in the corresponding field duplicate sample. The field duplicate RPD criteria is 30%.

Compound	**Units**	**BN-1&3-24-LT9**	**BN-1&3-24-XD13**	**RPD%**	**Concentration Difference**
Aluminum	µg/L	3720	4710	23.5	990
Iron	µg/L	13400	15000	11.3	1600
Lead	µg/L	11.7	13.3	12.8	1.6
Magnesium	µg/L	1210	1630	29.6	420
Manganese	µg/L	380	294	25.5	86
Nickel	µg/L	8.3	10.6	24.3	2.3
Potassium	µg/L	563	653	14.8	90
Sodium	µg/L	30.4	37.5	20.9	7.1
Thallium	µg/L	0.63	ND	NC	0.63
Antimony	µg/L	0.18	0.32	**56.0**	0.14
Arsenic	µg/L	7.3	7.5	2.7	0.2
Barium	µg/L	33.5	36.5	8.6	3
Beryllium	µg/L	0.54	0.60	10.5	0.06
Chromium	µg/L	7.8	9.2	16.5	1.4
Cobalt	µg/L	3.8	4.6	19.0	0.8
Copper	µg/L	5.8	6.9	17.3	1.1
Vanadium	µg/L	10.9	14.0	24.9	3.1
Zinc	µg/L	39.2	49.8	23.8	10.6
Calcium	µg/L	751	740	1.5	11
Selenium	µg/L	0.50	ND	NC	0.5
Compound	**Units**	**BN-1&3-24-SEEP9**	**BN-1&3-24-XD11**	**RPD%**	**Concentration Difference**
Aluminum	µg/L	744	798	7.0	54
Iron	µg/L	20700	20500	1.0	200
Lead	µg/L	3.9	4.8	20.7	0.9
Magnesium	µg/L	1680	1730	2.9	50
Manganese	µg/L	5130	5270	2.7	140
Nickel	µg/L	7.7	8.2	6.3	0.5
Potassium	µg/L	708	716	1.1	8
Sodium	µg/L	6630	6730	1.5	100
Barium	µg/L	49.6	49.2	0.8	0.4
Cobalt	µg/L	10.7	10.9	1.9	0.2
Copper	µg/L	2.2	2.0	9.5	0.2
Zinc	µg/L	46.8	57.4	20.3	10.6
Calcium	µg/L	8890	9220	3.6	330
Compound	**Units**	**BN-EP-24-SEEP10 MSMSD**	**BN-EP-24-SEEP-XD15**	**RPD%**	**Concentration Difference**
None Detected	µg/L	ND	ND	NC	NC

NOTE: NC: not calculated – one result was non-detect or the analyte level was less than twice the MRL.
Results in bold indicate an exceedance of the field duplicate RPD (30%) precision data quality objective for analytes with concentration greater than twice the MRL

The overall precision is acceptable for seep water sampling and analysis for VOCs, pesticides, and metals, except for antimony which exceeded the FD RPD criteria.

One field sample and the corresponding field duplicate sample was collected during LTMP surface water sample collection. The following table shows surface water analytes detected field sample and/or in the corresponding field duplicate sample. The field duplicate RPD criteria is 30%.

Compound	**Units**	**BN-EP-24-SW11MSMSD**	**BN-EP-24-SW-XD16**	**RPD%**	**Concentration Difference**
None Detected		ND	ND	NC	NC
NOTE: NC: not calculated – one result was non-detect or the analyte level was less than twice the MRL. Results in bold indicate an exceedance of the field duplicate RPD (30%) precision data quality objective for analytes with concentration greater than twice the MRL					

All analyte results in the FD sample and the field sample were non-detect. Overall precision for the LTMP VOC and LTMP TAL metal surface water sample is acceptable.

One field sample and the corresponding field duplicate sample was collected during LTMP treatment plant effluent water sample collection. The following table shows treatment plant effluent water analytes detected field sample and/or in the corresponding field duplicate sample. The field duplicate RPD criteria is 30%.

Compound	**Units**	**BN-EP-24-TPE-MSMSD**	**BN-EP-24-TPE-XD14**	**RPD%**	**Concentration Difference**
None Detected		ND	ND	NC	NC
NOTE: NC: not calculated – one result was non-detect or the analyte level was less than twice the MRL. Results in bold indicate an exceedance of the field duplicate RPD (30%) precision data quality objective for analytes with concentration greater than twice the MRL					

All analyte results in the FD sample and the field sample were non-detect. Overall precision for the LTMP VOC surface water sample is acceptable.

Three field samples and corresponding field duplicate samples were collected during LTMP sediment sample collection. The following table shows sediment detected in field sample and/or in the corresponding field duplicate sample. The field duplicate RPD criteria is 50%.

Compound	Units	BN-EP-24-SED11	BN-EP-24-SED-XD17	RPD%	Concentration Difference
Mercury	mg/kg	0.043	0.037	15.0	0.006
4,4'-DDD	ug/kg	12.0	4.3	**94.5**	7.7
4,4'-DDT	ug/kg	8.8	8.9	1.1	0.1
Total Organic Carbon	mg/kg	22700	21600	5.0	1100
Aluminum	mg/kg	5600	6430	13.8	830
Iron	mg/kg	20700	25300	20.0	4600
Lead	mg/kg	17.8	25.4	35.2	7.6
Magnesium	mg/kg	1790	2050	13.5	260
Manganese	mg/kg	279	509	58.4	230
Nickel	mg/kg	8.7	10.4	17.8	1.7
Potassium	mg/kg	597	650	8.5	53
Sodium	mg/kg	38.8	57.7	NC	18.9
Arsenic	mg/kg	8.3	10.3	21.5	2
Barium	mg/kg	37.5	44.8	17.7	7.3
Beryllium	mg/kg	0.65	0.74	12.9	0.09
Cadmium	mg/kg	0.19	0.35	NC	0.16
Chromium	mg/kg	9.9	11.5	15.0	1.6
Cobalt	mg/kg	4.3	6.4	NC	2.1
Copper	mg/kg	7.0	8.7	21.7	1.7
Vanadium	mg/kg	16.3	19.6	18.4	3.3
Zinc	mg/kg	43.4	58.2	29.1	14.8
Calcium	mg/kg	755	1110	38.1	355
Selenium	mg/kg	0.90	1.4	43.5	0.5

Compound	Units	BN-EP-24-SED11	BN-EP-24-SED-XD17	RPD%	Concentration Difference
% GRAVEL	%	0.060	0.020	**100.0**	0.04
% SAND	%	78.2	79.8	2.0	1.6
% SILT, CLAY, C	%	21.8	20.2	7.6	1.6
0.0015 MM (HYDR	%	4.5	4.5	0.0	0
0.005 MM (HYDRO	%	5.0	6.0	18.2	1
0.030 MM (HYDRO	%	13.5	10.0	29.8	3.5
0.375 INCH SIEV	%	100	100	0.0	0
0.75 INCH SIEVE	%	100	100	0.0	0
1.5 INCH SIEVE	%	100	100	0.0	0
3 INCH SIEVE	%	100	100	0.0	0
NO.10 SIEVE (2.	%	99.8	99.9	0.1	0.1
NO.100 SIEVE (0	%	41.6	38.9	6.7	2.7
NO.16 SIEVE (1.	%	99.5	99.8	0.3	0.3
NO.200 SIEVE (0	%	21.8	20.2	7.6	1.6
NO.30 SIEVE (0.	%	97.8	98.0	0.2	0.2
NO.4 SIEVE (4.7	%	99.9	100	0.1	0.1
NO.50 SIEVE (0.	%	81.7	78.5	4.0	3.2
NO.8 SIEVE (2.3	%	99.9	100	0.1	0.1
Compound	**Units**	**BN-1&3-24-LT9**	**BN-1&3-24-XD13**	**RPD%**	**Concentration Difference**
Acetone	µg/kg	424	336	23.2	88

NOTE: NC: not calculated – one result was non-detect or the analyte level was less than twice the MRL.
Results in bold indicate an exceedance of the field duplicate RPD (50%) precision data quality objective for analytes with concentration greater than twice the MRL

The overall precision is acceptable for sediment sampling and analysis except for 4,4 DDD and % Gravel, which exceeded the FD RPD criteria. LTMP VOC, TOC, pesticide FD RPDs were within criteria, and the overall precision is acceptable.

D.2.2 FIELD ACCURACY EVALUATION

D.2.2.1 Rinsate Blanks

Rinsate blanks were not collected during this monitoring event for LTMP analytes and for 1,4 dioxane, as dedicated sampling equipment was used for sample collection. Dedicated sampling equipment minimizes the chance of sample cross contamination in the field. A rinsate blank was collected during the MNA sampling event, as select monitoring wells do not have dedicated sampling equipment. The rinsate blank was analyzed for VOCs, MNA parameters, metals by 6010A and 6020, TOC, methane, ethene, and ethane. The rinsate blank had detects for chloride, nitrite, TOC, and 6010 metals aluminum, iron, sodium, and zinc. Chloride results were qualified

non-detect (U) in four MNA samples; BN-EP-24-MW331B, BN-EP-24-MW105A, BN-EP-24-MW105B, and BN-EP-24-MW336 were qualified non-detect (U). Total organic carbon was qualified non-detect (U) in one MNA sample, BN-EP-24-MW105B. MNA metals iron, arsenic and manganese were analyzed by SW-846 Method 6020, and the rinsate blank result by this method had non-detect results for all MNA metals. The metals rinsate blank method (6020) similar to the metals field sample analysis method (6020) was used to evaluate potential field cross contamination.

D.2.2.2 Trip Blanks

Tripblanks were shipped with sample coolers containing LTMP and 1,4 dioxane survey VOC samples. Tripblanks were not shipped with methane, ethane, and ethene VOC samples. Tripblanks yielded detects for carbon disulfide, chloroform and acetone. Chloroform was not detected in any field sample. Acetone was qualified as non-detect (U) in three samples; BN-EP-24-MW308 and BN-EP-24-MWXD21, based upon the tripblank results. Carbon disulfide was qualified as non-detect (U) in two sediment samples; BN-1&3-24-LT9 and BN-1&3-24-XD13. One tripblanks analyzed for 1,4 dioxane yielded a detect, and 1,4 dioxane results in field samples BN-EP-24-XD1 and BN-EP-24-MW338A were qualified non-detect (U).

D.2.3 Field Accuracy Assessment

Rinsate blanks were collected for analysis as select MNA monitoring wells were sampled with non-dedicated sampling equipment. MNA parameters chloride and TOC were qualified non-detect (U) in select samples based upon potential field cross contamination. The associated method blanks analyzed with the rinsate blank and associated field samples were non-detect for all MNA parameters. Aqueous tripblanks had detects for acetone and chloroform of similar levels found in the laboratory method blank. One sediment tripblank had a detect for acetone and carbon disulfide. The method blank associated with this tripblank had detects for acetone but was non-detect for carbon disulfide. The tripblank had a detect for 1,4 dioxane, and 1,4 dioxane was qualified non-detect (U) in two samples; BN-EP-24-XD1 and BN-EP-24-MW338A. The associated method blank was non-detect for 1,4 dioxane.

Field accuracy is acceptable and there is no apparent field cross-contamination, except potentially for carbon disulfide, chloride, TOC, and 1,4 dioxane.

D.3 OVERALL EVALUATION OF DATA AND USABILITY RECOMMENDATION

The following is a summary table of the findings for the data quality review performed and discussed in detail in this appendix:

Data Quality Review		Holding Time	Field/Method Blank Contamination	Precision		Accuracy			Completeness	
				Laboratory	Field	Surro-gate	MS/MSD	LCS	Analytical	Field
Aqueous Matrix	VOC	4	4B	4UJ	4J	4	4UJ	4	100%	100%
	Metals	4	4B	4	4J	NA	4	4	100%	100%
	1,4 Dioxane	4	4	4	4	4	4	4	100%	100%
	Methane, ethene, & ethane	4	4B	4	4	NA	4	4	100%	100%
	MNA Parameters	4	4B	4	4J	NA	4	4	100%	100%
	Pesticides	4	4	4	4	4	4R	4R	92%	100%
Sediment Matrix	VOC	4	4	4UJ	4J	4	4	4	100%	100%
	Metals	4	4	4J	4J	NA	4UJ/J	4	100%	100%
	Pesticides	4	4	4J	4J	4	4J	4	100%	100%

NOTE:
VOC = Volatile organic compound.
4 = The data are usable as reported based on the data quality review of this quality measurement.
4B = The data have been affected by field blank/laboratory contamination; false-positives may exist.
4UJ = The analyte was not detected above the sample reporting limit, and the reporting limit is approximate
4J = The data are usable;, however, some analyte concentrations should be considered estimates of the true concentrations.
NA = The quality measurement does not apply to this matrix or analytical methodology.
4R = Some of the analytes are considered unusable due to quality control criteria.

In general, the data collected as part of Monitoring Event 24 were found to meet the data quality objectives established in the QAPP contained in the Long-Term Monitoring Plan (EA 2000a) for data usability, with the exception of pesticide analysis of seepwater samples. The non-detect pesticides results, 4,4 DDT and methoxychlor, were qualified as rejected (R) in all five seepwater samples. Matrix interference lead to unacceptable LCS and MS/MSD recoveries. This matrix contaminated the instrument and lead to poor instrumental performance. The instrument was clean and the samples were re-analyzed with similar matrix interferences.

D.4 COMPLETENESS

The planned field samples and the corresponding quality control samples (duplicate) were collected, resulting in a percent field completeness of 100 percent. VOC, MNA parameters, metals, 1,4 dioxane, methane, ethane, and ethene analytes were reviewed for method and QAPP compliance, and the data were determined to be usable because no data were rejected for this sampling event. Therefore, the percent analytical completeness for these field samples is 100 percent. All five pesticide seepwater samples had unusable 4,4 DDT and methoxychlor results, because of persistent matrix interference, and this resulted in a percent analytical completeness of 92%, which is less than the 95% (LTMP QAPP 2000a) completeness criteria. Future

seepwater pesticide sampling will include evaluation of matrix cleanup steps to avoid future data qualifications and to increase the percent analytical completeness.

D.5 METHOD DETECTION LIMITS FOR AQUEOUS AND SEDIMENT SAMPLES

Appendix B provides the method detection limit for aqueous samples. The method detection limit represents the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.

APPENDIX E

Field Monitoring and Sampling Forms

APPENDIX E.1

Sites 1 and 3

Sites 1 and 3
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Site 1 & 3

Location: Brunswick, ME

Date: 4/7/04

Water Level Meter: Solinst #14913 ~~Sunny 43~~

Weather: Sunny 43°

Field Crew: Mark & Matt

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
Shallow Monitoring Wells				
MW-201R	1000	12.1	0.0	
MW-202A	1034	21.23	0.0	
MW-203	1038	31.28	0.0	
MW-204	1046	29.51	0.0	
MW-210B	1024	28.65	0.0	
MW-211B	1430	33.6	0.0	
MW-215R	1106	31.44	0.0	
MW-217B	1028	29.8	0.0	
MW-234R	1059	37.55	0.0	
MW-240	1041	30.55	0.0	
MW-2101	1010	12.13	0.0	
Deep Monitoring Wells				
MW-216A	1018	39.58	0.0	
MW-217A	1029	31.24	0.0	
MW-218	1037	33.58	0.0	
MW-219	1045	29.68	0.0	
MW-220	1025	25.78	0.0	
MW-232A	1425	39.95	0.0	
MW-233R	1002	32.96	0.0	metal cap read 223R (welded)
Bedrock Monitoring Wells				
MW-210A	1036	18.0	0.0	
MW-210R	1038	20.92	0.0	
MW-211A	1427	24.54	0.0	

Sites 1 and 3
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Site 1 & 3 **Water Level Meter:** Solinst #14913

Location: Brunswick, ME **Weather:** Sunny 43°

Date: 4/7/04 **Field Crew:** Mark & Matt

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
Extraction Wells				
EW-6	1032	23.3	0.0	
EW-7	1021	~~25.32~~ 25.32 M	~~19/25~~ 0.0	
Shallow EP-Series Piezometers				
EP-16	1022	32.72	0.0	
EP-17	1017	38.29	0.0	
EP-18	1015	37.19	0.0	
EP-19	1005	37.03	0.0	
EP-20	1007	38.1	0.0	

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: SITES 1&3
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	TAL METALS
BN-24-1&3-24-MW204	4/16/04	1201		GW	3	X		X			X	X
BN-24-1&3-24-MW240	4/16/04	1236		GW	3	X		X			X	X
BN-24-1&3-24-XD10	4/16/04	0000		GW	3	X		X			X	X
BN-24-1&3-24-MW219	4/16/04	1230		GW	3	X		X			X	X
BN-24-1&3-24-MW203 MSMSD	4/16/04	1025		GW	9	X		X			X	X
BN-24-1&3-24-MW218	4/16/04	1040		GW	3	X		X			X	X
BN-24-1&3-24-MW202A	4/16/04	1120		GW	3	X		X			X	X
BN-24-1&3-24-QT1	4/19/04	0800		W	2	X					X	

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify) _____
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/19/04 1550	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: SITES 1&3
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	TAL METALS
BN-24-1&3-24-MW217B	4/20/04	1300		GW	1			X				X
BN-24-1&3-24-MW217B	4/20/04	1200		GW	2	X					X	

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
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Data Deliverable Information

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- ☐ Other (Specify)
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- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/20/04 1750	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: SITES 1&3
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	NaSo4	None	TCL VOC	TAL METALS	PESTICIDES
BN-1&3-24-SW09	4/21/04	1000		SW	3	X		X			X	X	
BN-1&3-24-LT9 MSMSD	4/21/04	1015		SED	12		X		X	X	X	X	
BN-1&3-24-XD13	4/21/04	0000		SED	4		X		X	X	X	X	
BN-1&3-24-SEEP9 MSMSD	4/21/04	1000		GW	15	X		X			X	X	X
BN-1&3-24-XD11	4/21/04	0000		GW	5	X		X			X	X	X
BN-1&3-24-QT2	4/21/04	0800			2				X		X		
BN-1&3-24-MW2101	4/21/04	1315		GW	3	X		X			X	X	

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/21/04 1720	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

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Project Name: SITES 1&3
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	NaSo4	None	TCL VOC	TAL METALS	PESTICIDES
BN-1&3-24-SEEP1	4/22/04	0850		GW	5	X		X			X	X	X
BN-1&3-24-SEEP3	4/22/04	0910		GW	5	X		X			X	X	X
BN-1&3-24-SEEP5	4/22/04	1000		GW	5	X		X			X	X	X
BN-1&3-24-LT1	4/22/04	0850		SED	4		X		X	X	X	X	
BN-1&3-24-LT3	4/22/04	0910		SED	4		X		X	X	X	X	
BN-1&3-24-LT4	4/22/04	0940		SED	4		X		X	X	X	X	
BN-1&3-24-LT5	4/22/04	1000		SED	4		X		X	X	X	X	
BN-1&3-24-SW 8	4/22/04	1030		SW	3		X	X			X	X	
BN-1&3-24-QT3	4/22/04	0800			2				X		X		

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	4/23/04 1145	1 [signature]	2		2
3		3	4		4
5		5	Seal #	Preserved where applica ☐	On Ice: ☐

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Sites 1&3
Location: NASB, Brunswick, ME
Well ID: MW-202A

Date: 4/16/04
Sampler: MAC & M. Martin
PID Reading: 0.0

Start Time: 0919 **End Time:** 1120
Well Construction: 2" PVC
Depth to water: 20.89
Well Depth: 31.2
Water Column: 10.31
Total Volume Removed (L) 17.4

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893 AS
Sonde		01F0657 AB
Lamotte	Turbidimeter	3313-2202
Redi-Flo		02180

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0924	1.5	300	22.96	8.29	6.12	769	7.73	103.6	24	light brown
0934	3	300	23.55	14.04	6.15	782	6.44	-47.2	22.7	"
0954	4.5	300	22.87	13.65	6.17	661	4.05	-71.5	21.0	"
1004	0.9	90	21.72	13.33	6.22	853	5.43	-58.6	42.9	"
1019	1.5	100	21.40	13.65	6.20	844	3.87	-52.6	36.6	"
1029	1	100	21.54	13.52	6.18	859	3.43	-52.7	35.8	"
1039	1	100	22.2	16.65	6.18	822	3.98	-36.8	23.2	"
1049	1	100	23.1	18.03	6.21	833	3.92	-36.5	23.1	"
1059	1	100	23.57	13.77	6.20	870	2.36	-62.1	14.4	clear
1109	1	100	23.35	13.86	6.21	879	1.72	-67.4	6.98	"
1114	0.5	100	23.02	13.95	6.21	887	1.42	-68.2	4.92	"
1119	0.5	100	22.6	13.97	6.21	892	1.26	-68.5	5.31	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1120	BN-1&3-24-MW202A	40mL vial	2	HCl	VOC
"	"	500mL poly	1	HNO_3	TAL Metals

Comments

Having to cycle pump periodically to clear sediment
1000 - Shut pump off briefly to allow well recharge
→ red staining on pump & ~8ft of tubing (rust & bacteria)

M. M.
Signature

4-16-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1+3
Location: NASB, Brunswick, ME
Well ID: MW-203
Start Time: 9:35 **End Time:** 10:25
Well Construction: 2" PVC Grundfos
Depth to water: 31.35'
Well Depth: 34.28' Top of pump
Water Column: 2.93'
Total Volume Removed (L) 16

Date: 4/16/04
Sampler: David C.
PID Reading: 0.0ppm

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207 AA
YSI	600XL	01J0849 AB
Lamotte	Turbidimeter	3721-4102
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:40	1.6	320	31.39	10.05	5.65	381	7.27	113	19	clear
10:00	6.4	320	31.39	13.52	5.92	409	6.89	77	2	clear
10:10	3.2	320	31.39	13.59	5.92	399	6.77	77	1	clear
10:15	1.6	320	31.39	13.98	5.91	397	6.75	78	1	clear
10:20	1.6	320	31.39	13.86	5.92	398	6.76	78	1	clear
10:25	1.6	320	31.39	14.01	5.92	394	6.70	77	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:25	BN-183-24-MW203	40ml vial	2	HCl	VOC
10:25	BN-183-24-MW203	500ml Poly	1	HNO_3	metals
00:00	BN-183-24-XD10	40ml vial	2	HCl	VOC
00:00	BN-183-24-XD10	500ml Poly	1	HNO_3	metals
10:25	BN-183-24-MW203-MS/MSD	40ml vial	4	HCl	VOC
10:25	BN-183-24-MW203-MS/MSD	500ml Poly	2	HNO_3	metals

Comments

320ml/min is lowest flow availble to achieve with Grundfos pump.

D. Cowen
Signature

4/16/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1&3
Location: NASB, Brunswick, ME
Well ID: MW204

Date: 4-16-04
Sampler: Suzanne Whiteside
PID Reading: 2.0

Start Time: 11:14 **End Time:** 12:01
Well Construction: 2" PVC
Depth to water: 29.49
Well Depth: 31.70
Water Column: 2.21
Total Volume Removed (L) 9.85

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582 4H
YSI	600 XLM	0XH0893 AF
LaMotte turbidimeter		3164-1602
Solinst water level		140113
Grundfos	Rediflo	04124

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:15	.2	200	29.52	9.62	6.04	492	12.06	22.8	3	clear
11:25	2.5	250	29.52	9.82	6.64	50	11.08	73.4	2	clear
11:35	2.4	240	29.52	9.89	6.53	50	11.05	94.9	1	clear
11:45	1.5	150	29.50	9.88	6.50	50	11.00	104.2	2	clear
11:50	.75	150	29.50	9.97	6.51	50	11.00	104.7	1	clear
11:55	.75	150	29.50	9.95	6.53	50	11.01	105.0	1	clear
12:00	.75	150	29.50	9.95	6.52	50	11.00	104.9	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
	~~BN-1&3-MW-204~~				
12:01	BN-1&3-24-MW204	40 ml vial	2	HCL	VOC
12:01	BN-1&3-24-MW204	500 ml poly	1	HNO3	TAL Metal

Comments

Suzanne Whitesides
Signature

4-16-04
Date

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: Site 183
Location: NASB, Brunswick, ME
Well ID: MW-217B

Date: 4-20-04
Sampler: SW KH
PID Reading: 0.0

Start Time: 12:30 **End Time:**
Well Construction: 2" PVC
Depth to water: 29.87'
Well Depth: 32.35
Water Column: 2.48
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	
YSI	600 XLM	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:45	0.5	100	31.9	14.02	6.65	979	1.5	-107.7	X	cloudy /w particles
12:55	0.2	-	32.35	15.28	6.67	976	2.68	-108.6		
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:00	BN-183-24-MW-217B	500 mL	1	HNO3	

Comments
Well went dry; let recharge & then ~~sampled~~ took additional reading & sampled

Signature

4-20-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1&3
Location: NASB, Brunswick, ME
Well ID: MW-217B

Date: 4-20-04
Sampler: SW KH
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: 29.87
Well Depth: 32.35
Water Column: 2.48
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207AA
YSI	600 XLM	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:05	—	—	—	10.00	6.55	940	0.42	-101.3	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:00	BN-1&3-24-MW217B	40 mL	2	HCl	
	PDB location deep				

Comments

S Whitehouse
Signature

4-20-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1&3
Location: NASB, Brunswick, ME
Well ID: MW 218

Date: 4-16-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 9:28 **End Time:** 10:40
Well Construction: 2" PVC
Depth to water: 33.60
Well Depth: 52.52
Water Column: 18.92
Total Volume Removed (L) 7.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582AH
YSI	600 XLM	02H0893AF
LaMotte	turbidimeter	3164-1602
Grundfos	RediFlo	04124
Solinst	water level	14913

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:29	.1	100	36.79	7.19	8.13	1235	8.23	77.1	64	clear
9:39	1	100	37.73	9.18	7.56	1098	1.85	-62.5	13	clear
9:49	1	100	38.59	9.71	7.51	1100	1.76	-81.7	10	clear
9:59	1	100	38.71	9.36	7.60	1114	1.87	-88.9	10	clear
10:09	1	100	39.26	9.42	7.63	1143	1.87	-131.1	9	clear
10:19	1	100	39.27	10.08	7.68	1147	1.73	-163.3	8	clear
10:29	1	100	39.24	10.38	7.70	1154	1.66	-172.0	7	clear
10:34	.5	100	39.23	10.21	7.71	1156	1.66	-184.1	7	clear
10:39	.5	100	39.21	10.26	7.70	1153	1.66	-189.4	6	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:40	BN1&3-24MW218	40 ml vial	2	HCL	VOCs
10:40	BN1&3-24MW218	500 ml poly	1	HNO_3	TAL Metals

Comments

Suzanne Whiteside
Signature

4-16-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1&3
Location: NASB, Brunswick, ME
Well ID: MW-219.

Date: 4/16/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 11:11 **End Time:** 12:30
Well Construction: 2" PVC Grundfos
Depth to water: 29.73'
Well Depth: 63.23' Top of pump
Water Column: 33.50'
Total Volume Removed (L) 15.01

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207 AA
YSI	600 XL	01J0849 AB
Lamotte	Turbidimeter	3721-4102
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:15	0.76	190	29.75	9.11	6.41	144	9.18	81	21	clear
11:35	3.8	190	29.75	9.73	6.47	131	9.01	65	27	clear
11:55	3.8	190	29.75	10.25	6.40	129	9.04	55	15	clear
12:15	3.8	190	29.75	10.41	6.35	128	9.02	53	5	clear
12:20	0.95	190	29.75	10.53	6.36	125	9.05	52	5	clear
12:25	0.95	190	29.75	10.40	6.34	127	9.06	52	4	clear
12:30	0.95	190	29.75	10.37	6.35	129	9.04	52	4	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:30	BN-183-24-MW219	40ml vial	2	HCl	VOC
12:30	BN-183-24-MW219	500ml Poly	1	HNO3	Metals

Comments

Signature

4/16/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Sites 1&3 **Date:** 4/16/04

Location: NASB, Brunswick, ME **Sampler:** MM/MAC

Well ID: MW-240 **PID Reading:** 0.0

Start Time: 1139 **End Time:** 1236

Well Construction: 2" PVC

Depth to water: 30.61 Top of pump. 36.28'

Well Depth:

Water Column:

Total Volume Removed (L) 11.2

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893 AS
Sonde		01F0657 AB
Lamotte	Turbidimeter	3313-2202
Rad-Flo		225650

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1144	~~0.51~~	200	30.63	9.6	6.08	155	9.32	86.1	11.8	clear
1154	2.0	200	30.63	12.35	6.0	153	9.01	71.7	30	cloudy
1204	2.0	200	30.63	13.74	6.0	169	7.75	65.2	28.3	"
1214	2.0	200	30.64	14.07	6.0	182	7.26	74.1	14.3	clear
1224	2.0	200	30.63	14.24	6.0	185	7.14	77.4	11.7	"
1229	1	200	30.63	14.48	6.0	187	7.03	80.1	8.33	"
1232	0.6	200	30.63	14.53	6.0	186	7.02	80.7	8.93	"
1235	0.6	200	30.63	14.55	6.0	188	6.97	82.9	7.19	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1236	BN-1&3-24-MW240	40mL vial	2	HCl	VOC
"	"	500mL poly	1	HNO_3	TAL Metals

Comments

Signature

4-16-04

Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Site 1&3
Location: NASB, Brunswick, ME
Well ID: MW 2101

Date: 4.21.04
Sampler: SW, KH
PID Reading: 0.0

Start Time: 11:53 **End Time:**
Well Construction: 2" PVC
Depth to water: 11.70
Well Depth: 25.16
Water Column: 13.46
Total Volume Removed (L) 14.5

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893 AJ
YSI	600 XLM	01F0657 AB
Grundfos	RediFlo	
LaMotte turbidimeter	2286-0701	
Solinst water level		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:54	.1	1200	11.7	8.41	6.42	235	11.39	261.0	5	clear
12:14	~2.4	120	11.7	11.68	5.87	282	9.67	142.6	4	clear
12:34	4	200	11.86	10.65	5.80	300	9.74	145.5	5	clear
12:54	4	200	11.9	8.86	5.75	322	9.97	189.8	3	clear
13:04	2	200	11.8	7.84	5.73	301	9.79	204.0	1	clear
13:09	1	200	11.8	7.78	5.72	302	9.79	207.0	1	clear
13:14	1	200	11.8	7.74	5.72	305	9.80	209.2	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:15	BN-1&3-24-MW2101	40 ml vial	2	HCL	TCL VOC
13:15	BN-1&3-24-MW2101	500 ml poly	1	HNO_3	TAL Metals

Comments

S Whiteside
Signature

4.21.04
Date

Page 1 of 1

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 2
Project Number: 5700.007
Sample Location ID: SW04
Date / Time: 4/12/04 1500
ECC Personnel: David, Sue, Kate

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 2'	Dissolved Oxygen (mg/L): 11.83
Velocity of Water: 1.5' per Second	ORP (mV) 76.7
Temperature (C): 8.79	pH (units): 6.84
Conductivity (uS/cm): 171	Turbidity (NTU) 2.99

Sample Observations:
( ) Odor NO
( ) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers	
BN-2-9-SW04	SW04	4-12-04/15:15	X		HNO_3	1	Me
BN-2-9-SW04	SW04	4-12-04/15:15	X		HCl	2	VO
BN-2-9-SW04-MS/MSD	SW04	4-12-04/15:15	X	Same	Bottles	½	analysis as above
BN-2-9-SW-XD8	SW04	4-12-04/00:00	X				

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: Site 2
Project Number: 5700.007
Sample Location ID: SW-07
Date / Time: 4/12/04 1515
ECC Personnel: Mark & Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 1 ft	Dissolved Oxygen (mg/L): 11.52
Velocity of Water: 2.5 ft/s	ORP (mV) 80.6
Temperature (C): 8.78	pH (units): 6.93
Conductivity (uS/cm): 158	Turbidity (NTU) 1.26

Sample Observations:
(X) Odor none
(X) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-2-9-SW07	SW-07	4-12-04/1515	X		HCl/HNO3	3

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 163
Project Number: 5700.007
Sample Location ID: SW-08
Date / Time: 4-22-03 / 1030
ECC Personnel: Sue, Fred, Mark, Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 2 ft	Dissolved Oxygen (mg/L): 11.99
Velocity of Water: 1 ft/s	ORP (mV) -40.1
Temperature (C): 8.55	pH (units): 7.42
Specific Conductivity (uS/cm): 213	Turbidity (NTU) 3.8

Sample Observations:
( ) Odor none
( ) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-163-24-SW08	SW-8	4-22-04/1030	x		HCl HNO3	3

Notes / Comments:

SW -> 2 HCl, 1 HNO3

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 183
Project Number: 5700.007
Sample Location ID: SEEP-1 / LT-1
Date / Time: 4-22-04 / 0850
ECC Personnel: Sue, Fred, Mark, Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: 0-1 in	Dissolved Oxygen (mg/L): 2.94
Velocity of Water: 0 ft/s	ORP (mV) 120.3
Temperature (C): 7.75	pH (units): 6.85
Specific Conductivity (uS/cm): 873	Turbidity (NTU) 450

Sample Observations:
( ) Odor none
(X) Color dark brown / black
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor none
( ) Color black
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative Meth/Bisulfate	Number of Containers
BN-183-24-LT1	LT-1	4-22-04/0850		X	~~HCl~~/none	4
BN-183-24-SEEP1	SEEP-1	4-22-04/0850	X		HCl/HNO3/none	5

Notes / Comments:

LT-1 → 1 Meth, 2 bisulfate, 1 none

SEEP-1 → 2 HCl, 2 none, 1 HNO_3

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 1 & 3
Project Number: 5700.007
Sample Location ID: SEEP-3 / LT-3
Date / Time: 4-22-04 / 0910
ECC Personnel:

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: 0-3 in	Dissolved Oxygen (mg/L): 0.70
Velocity of Water:	ORP (mV) 53.1
Temperature (C): 6.50	pH (units): 7.06
Specific Conductivity (uS/cm): 603	Turbidity (NTU) >1100

Sample Observations:
( ) Odor none
( ) Color brown / orange
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay ( ) Silt (X) Sand ( ) Other

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor none
( ) Color orange / brown, black
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-1&3-24-SEEP3	0910	4-22-04/0910	X		HCl, HNO_3, none	5
BN-1&3-24-LT3	0910	4-22-04/0910		X	Meth, bisulfate, none	4

Notes / Comments:
LT-3 1 Meth
~~SEEP-3 → 2 HCl~~, 2 bisulfate, 1 none
SEEP-3 → 2 HCl, 2 none, 1 HNO_3

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 163
Project Number: 5700.007
Sample Location ID: LT-4 / SEEP-4
Date / Time: 4-22-04 / 0940
ECC Personnel: Sue, Fred, Mark, Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: NO WATER PRESENT	Dissolved Oxygen (mg/L): —
Velocity of Water: —	ORP (mV) —
Temperature (C): —	pH (units): —
Conductivity (uS/cm): —	Turbidity (NTU) —

Sample Observations:
( ) Odor
( ) Color
( ) Other NO WATER PRESENT

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor none
( ) Color black
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-163-24-LT4	LT-4	4-22-04/0940		X	Meth	1
				X	bisulfate	2
				X	none	1

Notes / Comments:

The was no water to sample @ SEEP4.

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: 1&3
Project Number: 5700.007
Sample Location ID: LT-5 / SEEP-5
Date / Time: 4-22-04 / 1000
ECC Personnel: Sue, Fred, MARK, MATT

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: 0-3 inches	Dissolved Oxygen (mg/L): 0.37
Velocity of Water: 0 ft/s	ORP (mV) -103.1
Temperature (C): 10.11	pH (units): 6.32
Specific Conductivity (uS/cm): 645	Turbidity (NTU) 320

Sample Observations:
( ) Odor none
( ) Color orange
( ) Other bio-sheen

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor none
( ) Color orange, brown
( ) Other

SAMPLES COLLECTED

Sample Identification	~~Sample Location~~ DATE/TIME	~~Date / Time~~ LOCATION	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-ET 1&3-SEEP5	4-22-04/1000	SEEP-5	x		HCl, HNO3, none	5
BN-TP-1&3-LT5	4-22-04/1000	LT-5		x	Meth, bisulfate, none	4

Notes / Comments:

SEEP → 2 HCl, 2 none, 1 HNO_3

LT → 2 bisulfate, 1 Meth, 1 none

APPENDIX E.2

Eastern Plume

Eastern Plume
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Eastern Plume

Water Level Meter: Solinst #14913

Location: Brunswick, ME

Weather: Sunny 33°

Date: 4/6/04 - 4/7/04

Field Crew: Mark & Matt

	Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
	Shallow Monitoring Wells				
	MW-105B	1434	8.02 ~~8.02~~	0.0	
	MW-106	1418	20.21	0.0	
	MW-206B	1428	17.69	0.0	
	MW-207B	1220	3.45	0.0	
	MW-209	1407	23.0	0.0	
	MW-222	1405	24.67	0.0	
	MW-223	1409	22.2	0.0	
	MW-224	1400	23.92	0.0	
	MW-225B	1423	18.38	0.0	
4/7 →	MW-229B	0921	15.51	0.0	
	MW-231B	1452	24.89	0.0	
	MW-307	1352	16.21	0.0	
Deep 4/7 →	MW-313	0930	7.69	0.0	
	MW-318	1507	4.98	0.0	
	MW-332	1205	9.56	0.0	
	MW-1104	1530	10.6	0.0	
	Deep Monitoring Wells				
	MW-105A	1433	1.22	0.0	
	MW-205	1430	22.55	0.0	
	MW-206A	1427	16.95	0.0	
	MW-207AR	1218	artesian	0.0	
	MW-208	1417	18.08	0.0	
	MW-225A	1422	16.74	0.0	
4/7 →	MW-229A	0920	12.46	0.0	
	MW-230A	1502	14.47	0.0	
	MW-231A	1451	20.89	0.0	

Eastern Plume
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Eastern Plume

Water Level Meter: Solinst #14913

Location: Brunswick, ME

Weather: Sunny 33

Date: 4/6/04 - 4/7/04

Field Crew: Mark & Matt

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
Deep Monitoring Wells				
MW-303	1542	11.9	0.0	
MW-305	1544	13.03	0.0	
MW-306	1537	16.4	0.0	
MW-310	1425	26.11	0.0	
MW-311	1203	1.73	0.0	
MW-312	1120	11.1	0.0	
MW-319	1151	~~5.~~ 10.14	0.0	
MW-330 (MW-330B? →)	1133	5.6	0.0	
MW-331	1153	artesian	0.0	
MW-333 (4/7 →)	0927	9.78	0.0	
MW-334 (4/7 →)	0925	10.4	0.0	
MW-335	1441	18.55	0.0	
MW-336	1505	10.98	0.0	
MW-337	1455	15.23	0.0	
MW-338A	1518	1.15	0.0	
MW-338B	1517	1.85	0.0	
MW-338C	1516	3.68	0.0	some rce in well, may raise lev
MW-339	1514	2.94	0.0	
MW-NASB-212	1541	8.81	0.0	

Eastern Plume
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Eastern Plume

Location: Brunswick, ME

Date: 4/6/04 - 4/7/04

Water Level Meter: Solinst # 14913

Weather: Sunny 33°

Field Crew: Mark & Matt

Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
Bedrock Monitoring Wells				
MW-308	1131	3.67	0.0	
MW-309A	1127	artesian	0.0	
MW-309B	1126	0.5	0.0	
MW-316~~B~~ A	10:47	9.42	0.0	
MW-316~~B~~ A	10:48	20.33	0.0	# 3 wells only 2 on map (middle well crushed by ice)
MW-317A	1109	12.72	0.0	
MW-317B	1108	11.42	0.0	
MW-323	1532	16.68	0.0	
Shallow P-Series Piezometers				
P-103	1535	23.46	0.0	
P-111	1134	~~4.55~~ 4.55	0.0	
P-121	1115	15.75	0.0	
P-132	1545	18.13	0.0	
Deep P-Series Piezometers				
PZ-1	1445	24.98	0.0	
PZ-2	1443	18.76	0.0	
PZ-6	1457	14.37	0.0	
PZ-11	1447	24.43	0.0	
P-105	1559	8.34	0.0	
P-106	1555	8.29	0.0	

Eastern Plume
Brunswick, ME
Groundwater Level Measurement Sheet

Project Site: Eastern Plume

Water Level Meter: Solinst #14913

Location: Brunswick, ME

Weather: Sunny 33°

Date: 4/6/04 - 4/7/04

Field Crew: Mark & Matt

	Well ID	Time	Depth to Water (FT)	PID Reading (ppm)	Comments
	Deep EP-Series Piezometers				
4/7 →	EP-1	0913	8.25	0.0	
4/7 →	EP-2	0911	6.58	0.0	
4/7 →	EP-3	0916	5.55	0.0	
	EP-4	1212	4.07	0.0	
	EP-5	1155	4.82	0.0	
	EP-6	1215	10.91	0.0	
	EP-7	1411	16.85	0.0	
	EP-8	1414	15.39	0.0	
	EP-9	1143		0.0	3.24 to ice (frozen)
	EP-10	1141		0.0	3.45 to ice (frozen)
	EP-11	1140	6.85	0.0	
	EP-12	1145	14.68	0.0	
	EP-13	1549	4.39	0.0	odd signal 5.05 & 5.35 reading
	EP-14	1547	8.98	0.0	
	EP-15	1552	11.16	0.0	
	~~PZ-Series Piezometers~~				
Deep well	~~PZ-1~~ MW-315A	1511	1.79	0.0	
Deep well	~~PZ-2~~ ~~MW-330B~~	MW-230B	17.90	0.0	1500
Deep P-Series ←	~~PZ-6~~ P-123				can't find on maps → frozen no gauging back to 2000
	~~PZ-11~~				
	Extraction Wells				
4/7 →	EW-1	0910	4.52	0.0	O_2 = 21.5, ∅ for all others
	EW-2A	1200	3.21	0.0	4 gas meter O_2 = 21.0, ∅ for all else
4/7 →	EW-4	0900	2.58	0.0	O_2 = 21.3, ∅ for all others
	EW-5A	1557	23.64	0.0	O_2 = 21.4, ∅ for all others
	Surface Water				
	GP-1A	1533	2.91	0.0	
	GP-2A	1539	1.72	0.0	
	GP-3B	1601	0.95	0.0	
	GP-4A	1226	1.36	0.0	
	GP-5B	1439	3.4	0.0	
	GP-6A				gauge stick fell over

on
on
well is off

CHAIN OF CUSTODY

ACCUTEST
495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW212	4/18/04	1840		GW	7			X		X		X	X	X	X
BN-EP-24-MW306 MSMSD	4/18/04	1530		GW	21			X		X		X	X	X	X
BN-EP-24-MW-XD1	4/18/04	0000		GW	7			X		X		X	X	X	X
BN-EP-24-MW212	4/18/04	1645		GW	2	X					X				
BN-EP-24-MW306	4/18/04	1355		GW	2	X					X				
BN-EP-24-MW336M	4/19/04	1013		GW	2	X					X				
BN-EP-24-MW338C	4/19/04	1045		GW	7			X		X		X	X	X	X
BN-EP-24-MW336D	4/19/04	1013		GW	2	X					X				
BN-EP-24-MW336C	4/19/04	1013		GW	2	X					X				
BN-EP-24-MW338BM	4/16/04	1310		GW	2	X					X				
BN-EP-24-MW318	4/19/04	0919		GW	7			X		X		X	X	X	X
BN-EP-24-MW323	4/15/04	1600		GW	2	X					X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify) _____
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/19/04 1550	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:
5		5		☐	☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW339	4/19/04	1119		GW	7			X		X		X	X	X	X
BN-EP-24-MW308	4/15/04	1500		GW	2	X					X				
BN-EP-24-MW303	4/15/04	1425		GW	2	X					X				
BN-EP-24-MW1104	4/18/04	1430		GW	2	X					X				
BN-EP-24-MW338BS	4/16/04	1310		GW	2	X					X				
BN-EP-24-MW338BD	4/16/04	1310		GW	2	X					X				
BN-EP-24-MW309B	4/15/04	1520		GW	2	X					X				
BN-EP-24-MW202A	4/16/04	1120		GW	2	X					X				
BN-EP-24-EW05A	4/19/04	1325		GW	2	X					X				
BN-EP-24-RAW INFLUENT	4/19/04	1155		GW	2	X					X				
BN-EP-24-MW1104	4/18/04	1535		GW	7			X		X		X	X	X	X
BN-EP-24-MWXD21	4/15/04	0000		GW	2	X					X				
BN-24-EP-24-QT4	4/19/04	0800		W	2	X					X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 4/19/04	4/19/04 1550		2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MNA-XD2	4/19/04	0000		GW	7			X		X		X	X	X	X
BN-EP-24-MW332	4/19/04	1600		GW	7			X		X		X	X	X	X
BN-EP-24-MW207AR	4/19/04	1512		GW	7			X		X		X	X	X	X
BN-EP-24-MW207ARM	4/19/04	1420		GW	2	X					X				
BN-EP-24-MW207ARD	4/19/04	1425		GW	2	X					X				
BN-EP-24-MW334	4/19/04	1440		GW	2	X					X				
BN-EP-24-MW-XD19	4/19/04	0000		GW	2	X					X				
BN-EP-24-MW311M	4/19/04	1420		GW	2	X					X				
BN-EP-24-MW311D	4/19/04	1425		GW	2	X					X				
BN-EP-24-EW02A	4/19/04	1500		GW	2	X					X				
BN-EP-24-MW330	4/19/04	0900		GW	2	X					X				
BN-EP-24-MW319	4/19/04	1435		GW	2	X					X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/20/04 1750	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
	BN-EP-24-MW330	4/19/04	1130		GW	7			X		X		X	X	X	X
	BN-EP-24-P111	4/19/04	1350		GW	9	X		X		X	X	X	X	X	X
	BN-EP-24-MW-230A	4/20/04	0955		GW	2	X					X				
X	BN-EP-24-MW-XD23	4/20/04	0000		GW	2	X					X				
	BN-EP-24-MW-318	4/20/04	1020		GW	7			X		X		X	X	X	X
X	BN-EP-24-MW-315A	4/20/04	1051		GW	7			X		X		X	X	X	X
	BN-EP-24-MW-231A	4/20/04	1300		GW	2	X					X				
	BN-EP-24-MW-231B	4/20/04	1235		GW	2	X					X				
	BN-EP-24-MW-303	4/20/04	1355		GW	7			X		X		X	X	X	X
X	BN-~~24~~-EP-24-QT5	4/20/04	0800		W	2	X					X				
	FD															

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	4/20/04 1750	1 [signature]	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica ☐	On Ice: ☐
5		5			

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW338A	4/21/04	0955		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW231A	4/21/04	0935		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW231B	4/21/04	0921		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW105A	4/21/04	0914		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW105A	4/21/04	0747		GW	2	X					X				
BN-EP-24-MW105B	4/21/04	0923		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW337S	4/21/04	1000		GW	2	X					X				
BN-EP-24-MW337M	4/21/04	1005		GW	2	X					X				
BN-EP-24-MW337D	4/21/04	1010		GW	2	X					X				
BN-EP-24-MW229A	4/21/04	1445		GW	7	X		X		X		X	X	X	X
BN-EP-24-MW229A	4/21/04	1230		GW	2	X					X				
BN-EP-24-MW229B	4/21/04	1225		GW	7	X		X		X		X	X	X	X

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/21/04 1720	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW310	4/21/04	1246		GW	7	x		x		x		X	X	X	X
BN-EP-24-MNAXD4	4/21/04	0000		GW	7	x		x		x		X	X	X	X
BN-EP-24-EW1	4/21/04	1125		GW	2	x					X				
BN-EP-24-MW225A MSMSD	4/21/04	1215		GW	6	x					X				
BN-EP-24-MW-XD20	4/21/04	0000		GW	2	x					X				
BN-EP-24-MW-XD24	4/21/04	0000		GW	2	x					X				
BN-EP-24-MW337 MSMSD	4/21/04	1540		GW	27	x		x		x	X	X	X	X	X
BN-EP-24-MW-XD3	4/21/04	0000		GW	7	x		x		x		X	X	X	X
BN-EP-24-MW230A	4/21/04	1451		GW	7	x		x		x		X	X	X	X
BN-EP-24-MW334	4/21/04	1555		GW	7	x		x		x		X	X	X	X
BN-EP-24-MW335S (SAME)	4/21/04	1400		GW	2	x					X				
BN-EP-24-MW335M (SAME)	4/21/04	1400		GW	2	x					X				
BN-EP-24-MW335S (SAME)	4/21/04	1400		GW	2	x					X				
BN-EP-24-QT6	4/21/04	0800		W		x					X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/21/04 1720	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica ☐	On Ice: ☐
5		5			

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	TCL VOC	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS	TOTAL METALS
BN-EP-24-MW335 MSMSD	4/22/04	1010		GW	13	x		x		x	X	X	X	X	X	
BN-EP-24-MWXD25	4/22/04	0000		GW	2	x					X					
BN-EP-24-MW336	4/22/04	0940		GW	9	x		x		x	X	X	X	X	X	
BN-EP-24-MW224	4/22/04	1230		GW	9	x		x		x	X	X	X	X	X	
BN-EP-24-MW224	4/22/04	1100		GW	2	x					X					
BN-EP-24-MWXD18	4/22/04	0000		GW	2	x					X					
BN-EP-24-MW205	4/22/04	1345		GW	7	x		x		x		X	X	X	X	
BN-EP-24-MW205	4/22/04	1120		GW	2	x					X					
BN-EP-24-MW338B	4/22/04	1411		GW	7	x		x		x		X	X	X	X	
BN-EP-24-MW-QS1	4/22/04	1600		W	9	x		x		x	X	X	X	X	X	X
BN-EP-24-QT 7	4/22/04	0800		W	2	x					X					

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/23/04 1145	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:
5		5		☐	☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	GRAIN SIZE	TAL METALS, TOC, PESTICIDE
BN-EP-24-SW10 *	4/8/2004	1249		SW	2	X					X		
BN-EP-24-SW11 MSMSD *	4/8/2004	1207		SW	6	X					X		
BN-EP-24-SW12 *	4/8/2004	1055		SW	2	X					X		
BN-EP-24-SW13 *	4/8/2004	1137		SW	2	X					X		
BN-EP-24-SW14 *	4/8/2004	1118		SW	2	X					X		
BN-EP-24-SW-XD16	4/8/2004	0000		SW	2	X					X		
BN-EP-24-SED11 MSMSD *	4/8/2004	1215		SED	2					X		X	X
BN-EP-24-SED-XD17	4/8/2004	0000		SED	6					X		X	X
BN-EP-24-SEEP10 MSMSD *	4/8/2004	1302		W	6	X					X		
BN-EP-24-SEEP11 *	4/8/2004	1240		W	2	X					X		
BN-EP-24-SEEP-XD15	4/8/2004	0000		W	2	X					X		

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/13/04 1630	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:
5		5		☐	☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	1,4, DIOXANE	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW333 •	4/13/04	1240		GW	10	X		X		X	X	X	X	X	X	X
BN-EP-24-MW313 •	4/13/04	1230		GW	10	X		X		X	X	X	X	X	X	X
BN-EP-24-QT1	4/13/04	0800		W	2					X		X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/13/04 1630	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:
5		5		☐	☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC	1,4, DIOXANE	METHANE, ETHANE, ETHENE	TOTAL ORGANIC CARBON	ALK, CHL, NO2-NO3, SO4, FERROUS FE	TOTAL FE, MN, AS
BN-EP-24-MW331 MSMSD •	4/14/04	1125	MM/MC	GW	16			X		X		X	X	X	X	X
BN-EP-24-P106 •	4/14/04	1450	MM/MC	GW	12	X		X		X	X	X	X	X	X	X
BN-EP-24-MW305 •	4/14/04	1609	DC/SW	GW	7			X		X			X	X	X	X
BN-EP-24-MW-XD1	4/14/04	0000	DC/SW	GW	3	X				X		X				
BN-EP-24-MW305 •	4/14/04	1345	DC/SW	GW	2	X					X					
BN-EP-24-MW331 •	4/14/04	0950	MM/MC	GW	2	X					X					
BN-EP-24-P132 MSMSD •	4/14/04	1450	DC/SW	GW	6	X					X					
BN-EP-24-MW-XD22	4/14/04	0000	DC/SW	GW	2	X					X					
BN-EP-24-TPE MSMSD •	4/15/04	1310	MC/FS	GW	9	X				X	X	X				
BN-EP-24-TPE-XD14	4/15/04	0000	MC/FS	GW	2	X					X					
BN-EP-24-MW338A •	4/15/04	1223	MM/MC	GW	12	X		X		X	X	X	X	X	X	X
BN-EP-24-QT3	4/15/04	0800	FS	W	2					X		X				

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data
Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/15/04 15:40	1	2		2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica ☐	On Ice: ☐

CHAIN OF CUSTODY

ACCUTEST

495 Technology Center West
Building One, Marlbourough, MA 01752
508-481-6200 FAX: 508-481-7753

Accutest Job #:

Accutest Control #:

Client Information

Name: Environmental Chemical Corporation
Address: 50 D'Angelo Drive
City: Marlborough, MA State: 01752 Zip:
Send Report to: Jackson Kiker
Phone #: 508-229-2270

Facility Information

Project Name: Eastern Plume
Location: NASB Brunswick, Maine
Project No.: 5700.007
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation: voc hcl	NaOH	HNO3	H2So4	None	TCL VOC
BN-EP-24-MW338AS	4/15/04	1000	DC/SW	GW	2	x					X
BN-EP-24-MW338AM	4/15/04	1000	DC/SW	GW	2	x					X
BN-EP-24-MW338AD	4/15/04	1000	DC/SW	GW	2	x					X
BN-EP-24-MW339S	4/15/04	1120	DC/SW	GW	2	x					X
BN-EP-24-MW339M	4/15/04	1120	DC/SW	GW	2	x					X
BN-EP-24-MW339D	4/15/04	1120	DC/SW	GW	2	x					X
BN-EP-24-MW338CS	4/15/04	1030	DC/SW	GW	2	x					X
BN-EP-24-MW338CM	4/15/04	1030	DC/SW	GW	2	x					X
BN-EP-24-MW338CD	4/15/04	1030	DC/SW	GW	2	x					X
BN-EP-24-MW315AS	4/15/04	1150	DC/SW	GW	2	x					X
BN-EP-24-MW315AM	4/15/04	1150	DC/SW	GW	2	x					X
BN-EP-24-MW315AD	4/15/04	1150	DC/SW	GW	2	x					X
BN-EP-24-QT2	4/15/04	0800	FS	W	2	x					X

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☐ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

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Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/15/04 15:40	1	2		2
3		3	4		4
5		5	Seal #	Preserved where applica ☐	On Ice: ☐

Environmental Chemical Corporation
Low Flow/Low Stress Groundwater Sampling Log

Project: ~~MW-10SB~~ Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-10SB

Date: 4-21-04
Sampler: MKH
PID Reading:

Start Time: 08:17 **End Time:** 09:22
Well Construction: 2" PVC
Depth to water: 8.07
Well Depth: 22.0
Water Column: 14'
Total Volume Removed (L) 7.0

Field Testing Equipment

Make	Model	Serial #
YSI	600 XL-B-M	01J0849
YSI	650 MDS	00L1207 AA

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
08:17	0.5	100	0.03	7.60	8.09	210	6.79	5.7	74.1	clear
08:32	1.5	100	0.03	9.64	7.53	173	6.27	-56.2	19.6	clear
08:42	1.0	100	0.04	11.06	7.11	148	7.13	-42.6	10.45	clear
08:52	1.0	100	0.04	13.08	7.08	89	9.22	-25.2	5.4	clear
08:57	0.5	100	0.04	12.80	7.09	75	10.06	-10.0	5.1	clear
09:02	0.5	100	0.04	12.36	7.08	67	10.31	-3.1	5.0	clear
09:07	0.5	100	0.04	12.40	7.05	68	10.32	1.1	4.9	clear
09:12	0.5	100	0.04	12.42	7.06	66	10.38	2.0	3.8	clear
09:17	0.5	100	0.04	12.38	7.03	66	10.39	2.2	3.4	clear
09:22	0.5	100	0.04	12.36	7.01	67	10.37	2.2	3.3	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
09:23	BN-EP-24-MW10SB	40mL	3	HCl	TOC
09:23	BN-EP-24-MW10SB	40 mL	2	HCl	Meth, Eth, EthA
09:23	BN-EP-24-MW10SB	950 mL	1	None	Alk, Cl, Fer, NO_2, NO_3, SO_4
09:23	BN-EP-24-MW10SB	250 mL	1	HNO_3	Metals

Comments

MKH
Signature

4-21-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-224

Date: 4-22-04
Sampler: MKH
PID Reading:

Start Time: 11:00 **End Time:** 11:10
Well Construction: 2" ø PVC
Depth to water: 24.00
Well Depth: 47
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	1B0582
YSI	600 XL	02H0D893 AF

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC µS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:09	0	0	—	8.11	6.09	69	11.01	205	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:00	BN-EP-24-MW224	40 mL	2	HCl	VOC 8260

Comments

Mary Kathy Hilton
Signature

4-22-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-224

Date: 4-22-04
Sampler: MKH
PID Reading:

Start Time: 11:20 **End Time:** 12:35
Well Construction: 2" Ø PVC
Depth to water: 24.00
Well Depth: 47'
Water Column: 23'
Total Volume Removed (L) 10.5

Field Testing Equipment

Make	Model	Serial #
YSI	650 MSS	1B0582
YSI	600XL	02H0D893AF

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:25	1.5	350	0	11.15	5.68	140	9.88	160.7	4	clear
11:45	6	300	0	13.84	5.59	145	8.11	171.4	4	clear
12:05	2.8	280	0	14.65	5.59	147	7.48	173.8	3	clear
12:10	1.3	250	0	14.75	5.58	145	7.41	174.8	3	clear
12:15	1.3	250	0	14.91	5.57	147	7.30	176.6	2	clear
12:20	1.3	250	0	15.08	5.59	147	7.24	177.5	2	clear
12:25	1.3	250	0	15.10	5.58	147	7.23	177.7	2	clear
12:30	1.3	250	0	15.12	5.58	148	7.19	178.0	2	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:30	BN-EP-24-MW224	950 mL	1	None	Alk, Cl, Fer, NO_2, NO_3, SO_4
12:30	BN-EP-24-M224	250 mL	1	HNO_3	Metals
12:30	BN-EP-24-MW224	40 mL	5	HCl	TOC (3) Meth, Eth, Etha (2)
12:30	BN-EP-24-MW224	40 mL	2	HCl	VOC 8260 (LOW FLOW)
12:30	BN-EP-24-MWXD180	40 mL	2	HCl	VOC 8260

Comments Also collected PDB prior to sampling

Signature

4-22-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-229B

Date: 4/21/04
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 11:26 **End Time:** 12:25
Well Construction: 2" PVC Grundfos
Depth to water: 15.18'
Well Depth: 23.47' Top of pump
Water Column: 8.29'
Total Volume Removed (L) 10.52

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582AH
YSI	600XLM	02H0893AF
Solinst	water meter	29307
Lamotte	Turbidimeter	3721-4102

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:30	1.72	430	15.93	7.63	6.87	109	11.13	9	11	clear
11:50	3.2	160	15.49	11.60	6.61	96	8.72	106	15	clear
12:10	3.2	160	15.49	12.58	6.52	95	8.60	117	7	clear
12:15	0.8	160	15.49	12.79	6.50	95	8.59	119	7	clear
12:20	0.8	160	15.49	12.83	6.50	95	8.60	121	6	clear
12:25	0.8	160	15.49	12.85	6.48	95	8.62	123	6	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:25	BN-EP-24-MW229B	950ml Poly	1	None	Alk, Cl, Fer, NO2, NO3, SO4
12:25	BN-EP-24-MW229B	250ml Poly	1	HNO_3	Total iron, Arsenic, Manganese
12:25	BN-EP-24-MW229B	40ml vial	3	Hcl	TOC
12:25	BN-EP-24-MW229B	40ml vial	2	Hcl	Meth, Eth, Etha

Comments Dedicated pump in well.

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-231B

Date: 4/21/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 0830 **End Time:** 0921
Well Construction: 2" PVC
Depth to water: 24.95
Well Depth: 37.82
Water Column: 12.87
Total Volume Removed (L) 13

Field Testing Equipment

Make	Model	Serial #
YSI		01K0981 AB
Sonde		01K0643 AB
Lamotte Turbidimeter		3313-2202
Red-flo		228498

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0840	5	500	25.97	7.95	7.1	107	10.62	117.7	60	cloudy
0850	2	200	25.52	9.25	6.53	102	11.13	99.5	20	clear
0900	2	200	25.4	10.15	6.51	97	11.28	89.6	20	"
0910	2	200	"	11.06	6.52	94	11.17	87.5	8.1	"
0915	1	200	"	11.28	6.52	93	11.17	87.1	8.3	"
0920	1	200	"	11.38	6.52	93	11.19	88.2	6.9	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0921	BN-EP-24-MW231B	40mL Voa	5	HCl	TOC, Meth, Eth, Ethane
		250mL poly	1	HNO_3	Metals
		1 L poly	1	—	Cl, Alk, Fer, NO_2, NO_3, SO_4

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-231B

Date: 4/20/04
Sampler: M. Marston
PID Reading: 0.0

Start Time: 1310 **End Time:**
Well Construction: ~~25.02~~ 2" PVC
Depth to water: ~~37.82~~ 25.02
Well Depth: ~~12.8~~ 37.82
Water Column: 12.8
Total Volume Removed (L) 12

Field Testing Equipment

Make	Model	Serial #
YSI		02J0183 AQ
Solinst		01K0643 AE
Lamotte Turbidimeter		3164-1602
Redox-flo		225650

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1320	2	200	25.37	10.39	6.4	81	10.49	38.7	152	cloudy
1340	4	200	25.37	13.17	6.27	81	10.13	46.9	28.3	"
1400	4	200	"	13.36	6.24	81	10.10	53.4	20	"
1410	2	200								
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
	BN-EP-24-MW231B	40 mL VOA	5	HCl	TOC, Meth, Eth, Etha
		250 mL Poly	1	HNO_3	Metals
		1L Poly	1	—	Alk, Fer, NO_2, NO_3, SO_4

Comments fire in weapons area, kicked out @ 1410

Signature

4-20-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-231B

Date: 4/20/04
Sampler: M. Mendon
PID Reading: —

Start Time: – **End Time:** –
Well Construction: 2" PVC
Depth to water: 25.02
Well Depth: 37.82
Water Column: 12.8
Total Volume Removed (L) –

Field Testing Equipment

Make	Model	Serial #
YSI		02J0183AQ
Sonde		01K0643AZ

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1300	–	–	–	7.80	6.39	82	10.73	54.2	–	–
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1235	BN-EP-24-MW231B	40ml VOA	2	HCl	VOC

Comments

M. Mendon
Signature

4-20-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E. Plume
Location: NASB, Brunswick, ME
Well ID: MW-318

Date: 4/20/04
Sampler: MAC
PID Reading: —

Start Time: 0900 **End Time:**
Well Construction:
Depth to water: 5.22
Well Depth: 25.37
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02J0183AQ
YSI	600XL-B-M	01K0643AE
Lamotte 2020		3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0910		290	5.49	8.14	8.05	93	4.09	19.1	26.5	clear
0920		250	5.50	8.15	7.29	89	3.45	23.2	36.3	"
0945		100	5.35	9.53	6.61	80	4.95	35.2	7.6	"
1005		120	5.35	10.18	6.58	77	5.13	30.6	7.2	"
1010		120	5.35	10.60	6.57	76	5.19	30.7	6.39	"
1013		120	5.35	10.41	6.56	76	5.30	29.7	6.27	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1020	BN-EP-24-MW318	40ML, 1Liter, 500ML	7	HCL/HNO_3	MNA Parameters

Comments Per MaH - no low flow VOCs needed

Signature

4/20/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW318

Date: 4-19-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 5.07
Well Depth:
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600 XLM	01J0849 AB
LaMotte turbidimeter	2286-0701	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
09:19	—	—	—	7.60	8.06	121	0.20	-178.9	—	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
09:19	BN-EP-24-MW318	40 ml vial	2	HCL	VOCs

Comments PDB

S Whiteside
Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-332

Date: 4/19/04
Sampler: MM
PID Reading: 0.0

Start Time: 1449 **End Time:** 1600
Well Construction: 2" PVC
Depth to water: 9.05
Well Depth: 21.1
Water Column: 12.05
Total Volume Removed (L) 15.5

Field Testing Equipment

Make	Model	Serial #
YSI		00L1207AA
Sonde		0130849 AB
Lamotte	Turbidimeter	2286-0701
Redz-Flo		1466

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1453	2.5	500	9.32	6.17	6.83	116	10.37	26.6	55.4	light brown
1503	2	200	9.28	9.34	6.39	104	9.81	36.1	40.8	"
1513	2	200	9.28	11.17	6.18	115	9.5	40.6	11.9	clear
1534	4	200	9.35	8.61	6.08	114	10.04	62.0	11.4	"
1544	2	200	9.35	8.21	6.00	116	10.01	78.2	8.34	clear
1554	2	200	9.35	8.06	5.99	115	10.02	81.1	1.94	"
1559	1	200	9.35	8.07	5.99	113	9.97	82.9	3.41	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1600	BN-EP-24-MW332	40mL vog	5	HCl	TOC, Meth, Eth, Ethane
|	|	250 mL poly	1	HNO_3	Metal
|	|	1L poly	1	-	Alk, Fer, NO_2, NO_3, SO_4
0000	BN-EP-24-MWAXD2	Dup same as above			

Comments

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-332

Date: 4/19/04
Sampler: MAC & MM
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 9.05
Well Depth: 21.1
Water Column: 12.05
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		00L1207 AA
Sonde		01J0849 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1439	—	—	—	~~5.71~~	~~7.61~~	~~96~~	~~19.6~~	~~16.~~		
							~~10.02~~	-		
1445	—	—	—	4.37	7.25	106	10.26	11.5	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1440	BN-EP-24-MW332	40mL voa	2	HCl	VOC
0000	BN-EP-24-XD19	"	"	"	"

Comments

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-1104

Date: 4/18/04
Sampler: FS
PID Reading: 0.0

Start Time: 1440 **End Time:**
Well Construction: 2" PVC
Depth to water: 10.39
Well Depth: 21.50
Water Column: 11.11
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
Grundfos		9504
YSI	650	00L1207
Turbidimeter	Lamotte	3303-2202
YSI	600	01J0849

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1445	1.5	300	10.43	8.26	6.71	176	7.21	80	71	Silty/ orange
1455	3.0	300	10.43	9.95	6.50	176	4.86	81	25	Clear
1505	3.0	300	10.44	10.14	6.45	174	3.97	81	13	Clear
1515	3.0	300	10.43	10.15	6.42	170	3.66	82	7	Clear
1520	1.5	300	10.43	10.09	6.39	167	3.63	82	4	Clear
1525	1.5	300	10.43	10.14	6.39	168	3.55	82	4	Clear
1530	1.5	300	10.43	10.16	6.38	167	3.49	82	3	Clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1535	BN-EP-24-MW1104	950 ml Poly	1	—	Alk, Ch, Nitrate/Nitrite, Ferrous
↓	↓	250 ml Poly	1	HNO_3	Total Iron, Mang, Arsenic
↓	↓	40 ml Vials	5	HCL	TOC, Methane, Ethane, Ethene

Comments

Signature

Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-1104

Date: 4/18/04
Sampler: FJ
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: MW-1104 2" PVC
Depth to water: 10.39
Well Depth: 21.50
Water Column: 11.11
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650	01B0582
YSI	600	02H093 AF

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1440	-	-	-	7.59	7.37	182	7.29	67	-	-
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1430	BN-EP-24-MW1104	2 VOA	vials	HCL	VOC

Comments VOC collection via PDB at the Mid screen depth

Signature _____ Date 4/18/04

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: P-111

Date: 4/19/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 12:12 **End Time:** 13:50
Well Construction: 3/4" PVC Peristaltic
Depth to water: 4.51'
Well Depth: 9.85'
Water Column: 5.34'
Total Volume Removed (L) 10.01

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582 AH
YSI	600 XLM	02H0893 AF
Solinst	water meter	29646
Geopump²	Peristaltic	05640

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:15	0.5l	170	–	7.60	7.26	150	4.10	-52	280	Grey
12:35	2.0	100	–	8.46	6.74	130	1.11	-24	210	Grey
12:55	2.0	100	–	8.77	6.67	131	0.92	-23	85	cloudy
13:15	2.0	100	–	7.56	6.70	131	0.76	-23	25	clear
13:35	2.0	100	–	7.47	6.69	130	0.62	-27	6	clear
13:40	0.5	100	–	7.58	6.68	130	0.62	-26	5	clear
13:45	0.5	100	–	7.55	6.68	130	0.60	-26	4	clear
13:50	0.5	100	–	7.55	6.68	130	0.59	-27	4	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:50	BN-EP-24-P111	40ml vial	2	HCl	VOC
13:50	BN-EP-24-P111	950ml Poly	1	None	Alk, Cl, Fer, NO2, NO3, SO4
13:50	BN-EP-24-P111	250ml Poly	1	HNO3	Total iron, Arsenic, Manganese
13:50	BN-EP-24-P111	40ml vial	3	HCl	TOC
13:50	BN-EP-24-P111	40ml vial	2	HCl	Meth, Eth, Etha

Comments

Can not obtain draw down due to water depth meter can not fit in PVC pipe with tubing also down well.

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/14/04
Location: NASB, Brunswick, ME
Sampler: DJC, SW.
Well ID: P-132
PID Reading: 0.0 ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 18.01'
Well Depth: 32.32'
Water Column: 14.31'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600XL	01J0849 AB
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1500	—	—	—	7.62	8.33	101	3.04	-95.2	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1450	BN-EP-24-P132	40ml vial	2	HCl	VOC
00:00	BN-EP-24-P-XD22	40ml vial	2	HCl	VOC
1450	BN-EP-24-P132-MS/MSD	40ml vial	4	HCl	VOC

Comments

Signature

4/14/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E. Plume
Location: NASB, Brunswick, ME
Well ID: EW-1

Date: 4/21/04
Sampler: MAC
PID Reading: –

Start Time: 1120 **End Time:**
Well Construction: 6" steel
Depth to water: 4.44
Well Depth: NA
Water Column:
Total Volume Removed (L) 4

Field Testing Equipment

Make	Model	Serial #
YSI		01K0981 AB
Sonde		01K0643 AB
Lamotte Turbidimeter		3313-2202

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1120	–	–	–	9.94	7.29	202	6.41	103.2	>1100	brown
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1125	BN-EP-24-EW1	40 ML	2	HCL	VOC

Comments

Signature: Mark O. C

Date: 4/21/04

8.40
-3.96
4.44

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: EW-5A

Date: 4/19/04
Sampler: MAC
PID Reading: —

Start Time: 1315 **End Time:**
Well Construction:
Depth to water:
Well Depth:
Water Column:
Total Volume Removed (L) 4

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02J0183AQ
YSI	600 XL	01K0643 AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1315	4	—	—	8.99	7.51	98	7.27	48.5	5.55	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1325	BN-EP-24-EW05A	40 ML	2	HCL	VOC

Comments Water quality parameters obtained in a purge bucket

Mark A. Cam
Signature

4/19/05
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW 105A

Date: 4·21·04
Sampler: Suzanne
PID Reading: 0.0

Start Time: 8:12 **End Time:** 9:14
Well Construction: 2" PVC
Depth to water: 1.29
Well Depth: 47.13
Water Column: 45.23
Total Volume Removed (L) 36.6

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893AJ
YSI	600XLM	01F0657AB
Grundfos Redi-Flo		225650
Solinst water level		29646
LaMotte turbidimeter		2286-0701

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:13	.6	600	1.56	6.86	7.09	208	11.95	120.8	16	clear
8:33	12	600	1.55	8.09	6.46	370	10.44	120.2	1	clear
8:53	12	600	1.55	8.18	6.44	376	10.44	128.5	1	clear
9:03	~~12~~ 6	600	1.55	8.27	6.44	373	10.43	132.3	1	clear
9:08	3	600	1.55	8.19	6.43	372	10.43	136.5	1	clear
9:13	3	600	1.55	8.23	6.43	371	10.42	137.6	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0914	BN·EP·24·MW105A	40 ml vial	5	HCL	TOC, Meth, Eth, Etha
0914	BN·EP·24MW105A	250 ml poly	1	HNO3	Metal
0914	BN·EP·24MW105A	~~None~~ 250 ml poly	1	None	Alk, Cl, Fer, NO2, NO3, SO4

Comments
Artisian well - Flow rate = lowest possible achieved with Grundfos pump.

Suzanne Whitesicle
Signature

4·21·04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: 105 A

Date: 4-21-04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 1.29
Well Depth: 47.13
Water Column: 45.23
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893AJ
YSI	600XLM	01F0657AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
07:51	—	—	—	8.07	6.49	624	9.62	1462	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
07:47	BN-EP-24-MW105A	40 ml vial	2	HCL	TCL VOC

Comments PDB - Deep

S Whiteside
Signature

4-21-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-205

Date: 4/22/04
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 11:36 **End Time:** 13:45
Well Construction: 2" PVC Grundfos
Depth to water: 22.54'
Well Depth: 77.08'
Water Column: 54.54'
Total Volume Removed (L) ~~[illegible]~~ 24.51

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29646
Lamotte	Turbidimeter	3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:40	0.76	190	22.67	8.99	11.18	213	9.80	-63	16	clear
12:00	3.8	190	22.68	9.83	9.60	148	7.99	-53	150	Grey
12:20	3.8	190	22.68	10.71	9.46	141	8.61	-46	70	cloudy
12:40	3.8	190	22.68	11.63	9.03	135	8.77	-18	50	cloudy
13:00	3.8	190	22.68	11.97	8.35	134	8.79	30	38	cloudy
13:20	3.8	190	22.68	12.36	8.14	133	8.82	36	32	cloudy
13:25	0.95	190	22.68	11.92	8.05	133	8.87	42	29	cloudy
13:30	0.95	190	22.68	12.04	8.00	133	8.85	41	29	cloudy
13:35	0.95	190	22.68	12.14	7.95	132	8.89	39	29	cloudy
13:40	0.95	190	22.68	12.11	7.91	131	8.89	38	27	cloudy
13:45	0.95	190	22.68	12.25	7.88	132	8.88	37	26	cloudy
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:45	BN-EP-24-MW205	950ml Poly	1	None	Alk, Cl, Fer, NO2, NO3 SO4
13:45	BN-EP-24-MW205	500ml Poly	1	HNO3	Total iron, Arsenic, Manganese
13:45	BN-EP-24-MW205	40ml vial	3	HCl	TOC
13:45	BN-EP-24-MW205	40ml vial	2	HCl	Meth, Eth, Etha

Comments

Signature

4/22/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/22/04
Location: NASB, Brunswick, ME
Sampler: David C.
Well ID: MW-205
PID Reading: 0.0ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 22.60'
Well Depth: 77.08'
Water Column: 54.48'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
11:30	—	—	—	8.30	10.09	157	8.47	-53	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:20	BN-EP-24-MW205	40ml vial	2	HCl	VOC

Comments

Signature

4/22/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern
Location: NASB, Brunswick, ME
Well ID: MW 207AR

Date: 4-19-04
Sampler: KH, SW
PID Reading: 0.0

Start Time: 13:44 **End Time:**
Well Construction: 2" PVC
Depth to water: 0
Well Depth: 73.5
Water Column: 73.5
Total Volume Removed (L) 87

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0981AB
YSI	600 XLM	

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:45	1	1000	0	8.55	7.17	233	2.19	40.5	150	clear
14:05	20	1000	0	8.60	7.16	225	0.14	13.6	110	clear
14:25	20	1000	0.5'	8.57	7.27	220	0.07	4.5	65	clear
14:45	20	1000	0.5	8.62	7.31	216	0.08	-1.8	45	clear
15:05	20	1000	0.5'	8.63	7.30	211	0.04	-4.8	45	clear
15:08	3	1000	0.5	8.62	7.27	210	0.05	-4.6	45	clear
15:11	3	1000	0.5	8.64	7.26	210	0.04	-4.3	45	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:12	~~BN-24~~				
15:12	BN-EP-24-MW207AR	40 ml vial	5	HCL	TOC Meth, Eth, Etha
15:12	BN-EP-24-MW207AR	250 ml poly	1	HNO3	Metal
15:12	BN-EP-24-MW207AR	500 ml poly	1	None	ALK, Cl, FER, NO2, NO3, SO

Comments Pump at lowest setting 1000 ml/min is lowest achievable flow rate — Artesian well

S Whiteside
Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: BN-24-EP-MW 207AR

Date: 4-19-04
Sampler: KH, SW
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: 0 Artisian
Well Depth: 73.0
Water Column: 73.5
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0981 AB
YSI	600 XLM	

	Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
D	14:25	—	—	—	8.18	7.23	237	0.02	-1.4	—	—
M	14:30	—	—		8.21	7.28	234	2.2	6.6	—	—
Acceptance Criteria:						10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:15	BN-24-EP-MW207AR-M	40 ml	2	HCL	VOC
14:15	BN-24-EP-MW207AR-D	40 ml	2	HCL	VOC

Comments

S Whitesides
Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-225A

Date: 4/21/04
Sampler: MAC & MM
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: 16.76
Well Depth: 76.10
Water Column: 59.34
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI		01K0981 AB
Sonde		01K0643 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1225	—	—	—	7.65	6.51	180	2.04	165.5	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses VOC
1215	BN-EP-24-MW225A	40 mL VOA	~~5~~ 2	HCl	VOC ~~[illegible]~~
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
	BN-EP-24-MW225A ms/msD → same as above x2				
0000	BN-EP-24-XD20 → same as primary sample				

Comments

_____

_____

_____

Signature: [signature]

Date: 4/21/04

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-229A
Start Time: 12:43 **End Time:** 14:45
Well Construction: 2" PVC Grundfos
Depth to water: 12.35'
Well Depth: 64.40'
Water Column: 52.05'
Total Volume Removed (L)

Date: 4/21/04
Sampler: David C.
PID Reading: 0.0 ppm

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLM	02H0893 AF
Solinst	water meter	29307
Lamotte	Turbidimeter	3721-4102

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:45	0.78	390	12.61	8.55	7.15	100	9.88	148	>1000	Brown
13:05	8.2	410	12.60	9.34	7.42	108	8.48	67	990	Brown
13:25	5.8	290	12.47	9.15	7.41	107	8.50	95	150	cloudy
13:45	5.8	290	12.47	9.32	7.43	107	8.48	103	83	cloudy
14:05	5.8	290	12.47	9.29	7.36	106	8.46	106	44	cloudy
14:25	5.8	290	12.47	9.18	7.35	106	8.49	109	23	cloudy
14:30	1.45	290	12.47	9.18	7.35	106	8.47	110	15	clear
14:35	1.45	290	12.47	9.23	7.33	106	8.48	111	17	clear
14:40	1.45	290	12.47	9.22	7.33	106	8.49	111	15	clear
14:45	1.45	290	12.47	9.24	7.34	107	8.48	111	15	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:45	BN-EP-24-MW229A	950ml Poly	1	NONE	Alk, Cl, Fer, NO2, NO3 SO4
14:45	BN-EP-24-MW229A	250ml Poly	1	HNO3	Total iron, Arsenic, Manganese
14:45	BN-EP-24-MW229A	40ml vial	3	Hcl	TOC
14:45	BN-EP-24-MW229A	40ml vial	2	Hcl	meth, Eth, Etha

Comments Dedicated tubing in Plant.

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-229A

Date: 4/21/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 12.46'
Well Depth: 64.40'
Water Column: 51.94'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLM	02H0893 AF
Solinst	water meter	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:40	—	—	—	7.90	7.22	103	8.80	167	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:30	BN-EP-24-MW229A	40ml vial	2	HCl	VOC

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW230A

Date: 4-21-04
Sampler: Suzanne W.
PID Reading: 0.0

Start Time: 13:29 **End Time:** 14:51
Well Construction: 2" PVC
Depth to water: 14.53
Well Depth: 82.57
Water Column: 68.04
Total Volume Removed (L) 15.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893AJ
YSI	600 XLM	01F0657AB
Grundfos	BMI/MPI	9503
LaMotte	turbidimeter	2286-0701
Solinst	water level	122

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
13:30	.1	120	14.95	7.95	7.11	111	8.47	104.1	60	clear
13:50	4	200	20.43	9.06	7.69	130	1.5	-132.6	50	clear
14:10	4	200	29.15	9.14	7.36	130	1.12	-143.9	19	clear
14:30	4	200	28.87	9.03	7.41	130	0.84	-153.9	7	clear
14:40	1.5	150	28.82	9.00	7.47	132	0.77	-155.8	6	clear
14:45	.75	150	28.81	9.18	7.48	130	0.74	-157.3	5	clear
14:50	.75	150	28.80	9.20	7.50	130	0.72	-159.0	4	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:51	BN-EP-24-MW230A	40 ml vial	5	HCL	TOC, Meth, Eth, Etha
14:51	BN-EP-24-MW230A	250 ml poly	1	HNO_3	Metals
14:51	BN-EP-24-MW230A	950 ml poly	1	None	Alk, Cl, FER, NO_2, NO_3, SO_4

Comments

Suzanne Whiteside
Signature

4-21-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-230A

Date: 4/20/04
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 14.57'
Well Depth: 81.57'
Water Column: 67.00'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582 AH
YSI	600 XL	02H0893 AF
Solinst	water meter	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:05	—	—	—	8.05	7.62	136	1.33	-137	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:55	BN-EP-24-MW230A	40ml vial	2	HCl	VOC
0000	BN-EP-24-XD23	"	"	"	"

Comments

Signature

4/20/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-231A

Date: 4/20/04 - 4/21/04
Sampler: MAC
PID Reading: —

Start Time: 1300 **End Time:** 4/21/04
Well Construction:
Depth to water: 20.88
Well Depth: 60.71
Water Column: 39.83
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	02J0183AQ
YSI	600XL	01K0643 AE
Lamotte 2020		3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1320	7.0	480	21.11	9.65	6.88	75	10.48	64.1	39	—
1335	3.0	150	20.95	10.47	6.69	64	9.89	64.5	55	—
1355	2.25	150	20.95	10.25	6.60	62	10.07	69.8	19	—
4/21/04										
0840	1.80	180	20.88	7.06	8.42	104	9.98	15.5	15	
0850	5.0	250	20.95	7.12	7.76	82	9.12	25.6	53	
0910		200	21.00	8.81	7.02	74	9.31	30.2	9	
0925		200	21.00	9.32	6.79	73	9.46	33.4	5	
0928		200	21.00	9.45	6.75	73	9.45	34.1	5	
0931		200	21.00	9.45	6.75	73	9.41	34.1	5	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0935	BN-EP-24-MW231	40ml/1L/500ML	7	HCL/HNO3	MNA Parameters

Comments Low flow interrupted by fire in Weapons RA. Had to shut down and leave immediately @ 1410
Resumed purging 10/21/04 @ 0840

Mark A. Co
Signature

4/21/04
Date

24.751

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E. Plume
Location: NASB, Brunswick, ME
Well ID: MW-231A PDB

Date: 4/20/04
Sampler: MAC
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: 20.88
Well Depth: 60.71
Water Column: 39.83
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893 AJ
Sonde		01F0657 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1300	—	—	—	7.95	7.27	61	10.91	55.5	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1235	BN-EP-04-MW231A	40ml	2	HCL	VOC

Comments
1 Deep PDB

Mark A. Ca
Signature

4/20/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-303

Date: 4/20/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 12:06 **End Time:** 13:55
Well Construction: 2" PVC Grundfos
Depth to water: 11.87'
Well Depth: 71.81'
Water Column: 59.94'
Total Volume Removed (L) 27.29

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582 AH
YSI	600 XL M	02H0893 AF
Solinst	water meter	29307
Turbidimeter	Lamotte	3721-4102

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
12:10	1.04	260	11.88	9.06	8.39	218	3.71	14	7	clear
12:30	5.6	280	11.89	8.46	9.25	229	0.87	-192	3	clear
12:50	5.6	280	11.88	8.80	9.06	230	0.70	-211	2	clear
13:10	5.6	280	11.88	8.92	8.99	229	0.60	-222	1	clear
13:30	4.2	210	11.88	8.90	8.72	224	0.58	-202	1	clear
13:40	2.1	210	11.88	8.92	8.79	224	0.59	-207	1	clear
13:45	1.05	210	11.88	9.04	8.76	224	0.59	-211	1	clear
13:50	1.05	210	11.88	9.17	8.70	225	0.60	-212	1	clear
13:55	1.05	210	11.88	9.18	8.71	225	0.61	-211	1	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
13:55	BN-EP-24-MW303	950ml Poly	1	NONE	Alk, Cl, Fer, NO_2, NO_3, SO_4
13:55	BN-EP-24-MW303	250ml Poly	1	HNO_3	Total iron, Arsenic, Manganese
13:55	BN-EP-24-MW303	40ml vial	3	HCl	TOC
13:55	BN-EP-24-MW303	40ml vial	2	HCl	Meth, Eth, Etha

Comments

Signature

4/20/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-303

Date: 4/15/04
Sampler: DJC, MM
PID Reading: 0.0 ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 11.90'
Well Depth: 71.80'
Water Column: 59.90'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water level	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1435	—	—	—	7.30	7.60	203	0.64	196.0	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1425	BN-EP-24-MW303	40ml vial	2	HCl	VOC

Comments

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-305

Date: 4-14-04
Sampler: DJC, SW
PID Reading: 0.0 ppm

Start Time: 14:07 **End Time:** 16:09
Well Construction: 2" PVC Grundfos
Depth to water: 12.56'
Well Depth: 54.15'
Water Column: 41.59
Total Volume Removed (L) 23.05

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600 XLM	01J0249 AB
Solinst water meter		29646
LaMotte turbidimeter		3152-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:08	0.25	250	14.21	7.63	8.30	137	9.69	-35.6	124	clear
14:28	4	200	14.61	8.15	8.88	169	1.42	-119.9	109	clear
14:48	4	200	14.69	8.74	8.98	146	0.92	-143.3	93	clear
15:08	4	200	14.52	8.81	9.04	135	1.23	-154.0	66	clear
15:28	3.6	180	14.49	8.94	9.06	130	0.89	-146.1	47	clear
15:48	3.6	180	14.48	8.96	9.07	129	0.68	-147.0	34	clear
15:58	1.8	180	14.46	8.99	9.08	129	0.64	-148.8	31	clear
16:08	1.8	180	14.46	9.04	9.09	129	0.60	-150.3	28	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
16:09	BN-EP-24-MW305	950 ml poly	(1)	None	Alkalinity, Chloride, Ferrous, Wet
~~16:09~~	~~BN~~			^	Nitrite, Sulfate, Nitrite, Nitrate
16:09	BN-EP-24 MW305	250 ml poly	(1)	HNO_3	Total Iron, Arsenic, Manganese
16:09	BN-EP-24 MW305	40 ml vial	(3)	HCL	TOC
16:09	BN-EP-24 MW305	40 ml vial	(2)	HCL	Methane, Ethane, Ethene

Comments

Flow rate reflects lowest possible achieved with Grundfos pump.

Signature

4-14-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/14/04
Location: NASB, Brunswick, ME
Sampler: DJC, SW.
Well ID: MW-305
PID Reading: 0.0ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 13.16'
Well Depth: 54.15'
Water Column: 40.55'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207 AA
YSI	600XL	01J0849 AB
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm C	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1355	—	—	—	7.76	8.64	193	0.30	-108.3	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1345	BN-EP-24-MW305	40ml vial	2	HCl	VOC

Comments

Signature

4/14/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/18/04
Location: NASB, Brunswick, ME
Sampler: M. Martin
Well ID: MW-306
PID Reading:

Start Time: 1404 **End Time:**
Well Construction: 2" PVC
Depth to water: 16.5
Well Depth: 56.73
Water Column: 40.23
Total Volume Removed (L) 27.5

Field Testing Equipment

Make	Model	Serial #
YSI		01B0582AH
Spade		02H0893AF
Lamotte	Turbidimeter	3152-1602
Redi-Flo		228498

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1414	~~3~~ 3	~~300~~ 500	16.64	8.77	6.7	65	12.14	122.9	34.7	clear
1424	~~3~~ 5	500	16.63	8.88	6.51	65	12.41	128.5	12.3	
1434	3	300	16.6	9.34	6.44	65	12.42	125.7	7.83	
1444	~~3~~ 3	300	16.6	9.25	6.41	67	12.42	127.9	5.22	
1454	3	300	16.6	9.27	6.39	66	12.41	125.4	3.48	
1509	4.5	300	16.6	9.35	6.39	68	12.41	126.2	3.13	
1519	2	200	16.57	10.01	6.34	63	12.32	130.9	3.06	
1524	1	200	16.57	10.02	6.32	64	12.35	133.9	2.78	
1529	1	200	16.57	9.83	6.31	64	12.41	138	2.79	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1530	BN-EP-24-MW306	40mL vial	5	HCl	TOC, Meth, Eth, Ethn
		250mL poly	1	HNO_3	Metals
		1 L poly	1	—	Alk, Cl, Fer, NO, NO_2, SO_4
	BN-EP-24-MW306-MS/MSD → same as above x2				
0002	BN-EP-24-MNA&D1 → same as primary sample				

Comments

Signature

4/18/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW306

Date: 4/18/04
Sampler: M. Martin
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 16.5
Well Depth: 56.73
Water Column: 40.23
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		01B0582AH
Sonde		02H0893AP

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1400	—	—	—	10.21	7.25	80	11.94	102.6	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1355	BN-EP-24-MW306	40 mL vial	2	HCl	VOC

Comments

Signature

4/18/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E.P. Lane
Location: NASB, Brunswick, ME
Well ID: MW-310

Date: 4/21/04
Sampler: MM/MJC
PID Reading: —

Start Time: 1130 **End Time:** 1246
Well Construction: 2" PVC
Depth to water: 26.08
Well Depth: 72.62
Water Column: 46.54
Total Volume Removed (L) 30

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02J0183AQ
YSI	600 XL	01K0643 AG
Lamotte	Turbidimeter	3313-2202
Radi-Flo		228498

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1140	5	500	26.18	9.56	7.35	99	11.03	32.9	50	clear
1200	10	500	26.18	8.87	6.32	137	8.56	67.3	550	brown
1220	10	500	"	8.99	6.26	137	8.64	68.7	13	clear
1230	2	200	26.12	9.01	6.26	138	8.62	67.9	2.1	"
1240	2	200	26.1	9.03	6.24	138	8.66	67.9	2.2	"
1245	1	200	"	9.06	6.23	139	8.62	68.5	2.1	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1246	BN-EP-24-MW310	40 mL vom	5	HCl	TOC, Meth, Eth, Ethy
		250 mL poly	1	HNO_3	Metals
		1 L poly	1	—	Alk, Cl, Fer, NO_2, NO_3, SO_4
0000	BN-EP-24-MWAXD4	→ same as above			

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-3N

Date: 4/19/04
Sampler: MAC
PID Reading: –

Start Time: 1415 **End Time:** 1435
Well Construction: 2" PVC
Depth to water: 1.56'
Well Depth: 54.94'
Water Column:
Total Volume Removed (L) 0

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02J0183AQ
YSI	600XL	01K0643AE

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1430	–	–	–	8.31	6.64	748	0.43	-114.2	NA	–
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1420	BN-EP-24-MW311M	40 ML	2	HCL	VOC
1425	BN-EP-24-MW311D	40ML	2	HCL	VOC

Comments PDBs @ mid+deep only. No low flow

Mark R. Ca
Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E.Plume LTMP
Location: NASB, Brunswick, ME
Well ID: MW-313

Date: 4/13/04
Sampler: FS/MM/MAL
PID Reading:

Start Time: **End Time:**
Well Construction: 2" PVC
Depth to water: 7.78'
Well Depth: 36.55
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI		00L1207 AA
Sonde		01J0849 AB
Lamotte	Turbidimeter	3164-1602
Redi-Flo		04124

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1030	–	250	8.27	4.76	8.08	166	1.15	-8	62	–
1054		150	9.01	7.57	8.13	183	0.91	-36	346	–
1100		150	9.13	8.84	8.15	180	1.50	-114	265	–
1120		150	9.14	8.70	8.13	163	0.41	-128	104	–
1140		150	8.99	8.59	8.05	158	0.33	-125	47	–
1200		150	8.99	8.78	8.04	154	0.33	-119	30	–
1220		150	9.18	8.95	8.05	155	0.80	-116	63	
1230		150	9.15	9.13	8.02	159	0.26	-131	33	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1230	BN-EP-24-MW-313		13	HCl, HNO_3, NONE	MNA Parameters
					1,4 Dioxane

Comments
Last TU taken from flow cell discharge
Split 1,4 Dioxane sample w/ Todd Finlayson

Mark A. Cu
Signature

4/13/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4-13-04
Location: NASB, Brunswick, ME Eastern Plume
Sampler: M. Martin / M. Carve F. Santos
Well ID: MW-313 (PDB)
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive D. Diffusion Bag
Depth to water: 7.78
Well Depth: 36.55
Water Column: 28.77
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI		00L1207 AA
Sonde		01J0849 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1010	—	—	~~8.27~~	7.43	8.14	0.254	0.07	-105	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1005	BN-EP-24-MW313	40 ml vial	3	HCl	VOC

Comments

_____

_____

_____

Signature

4/13/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-315A

Date: 4-20-04
Sampler: M. Martin
PID Reading: 0.0

Start Time: 0850 **End Time:** 1051
Well Construction: 2" PVC
Depth to water: 1.95
Well Depth: 77.21
Water Column: 75.26
Total Volume Removed (L) 53.5

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893AJ
Sonde		01F0657AB
Lamotte Turbidimeter		3313-2202
Grundfos		P193213771

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0900	6	600	5.2	7.47	7.18	158	1.53	-90.9	180	cloudy
0920	10	500	8.13	8.31	7.71	151	0.73	-167.5	120	"
0940	10	500	12	8.87	7.76	143	0.77	-178.6	100	"
1000	10	500	15.53	10.03	7.79	137	0.43	-190.8	65	"
1010	5	500	16.59	10.49	7.82	135	0.42	-193.6	45	"
1025	7.5	500	18.1	10.44	7.86	135	0.37	-191.8	35	"
1035	2	200	17.05	10.31	7.9	136	0.48	-196.3	32	"
1040	1	200	16.75	10.39	7.92	133	0.41	-198.5	28	"
1045	1	200	16.69	10.56	7.94	132	0.4	-202.5	24	"
1050	1	200	16.58	10.63	7.95	132	0.4	-203.7	24	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1051	BN-EP-24-MW315A	40mL voa	5	HCl	TOC, Eth, Ethn, Meth
		250mL poly	1	HNO_3	Metal
		1L poly	1	–	Alk, Fer, NO_2, NO_3, SO_4

Comments

Signature

4-20-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/15/04
Location: NASB, Brunswick, ME
Sampler: DTC, MM, SW
Well ID: MW-315A
PID Reading: 0.0 ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 2.61'
Well Depth: 77.23'
Water Column: 74.62'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29646

	Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
M	12:00	—	—	—	8.04	8.04	152	0.32	-178	—	—
Acceptance Criteria:						10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:50	BN-EP-24-MW315A S	40ml vial	2	HCl	VOC
11:50	BN-EP-24-MW315A M	40ml vial	2	HCl	VOC
11:50	BN-EP-24-MW315A D	40ml vial	2	HCl	VOC

Comments

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-319

Date: 4/21/04
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: 7:48 **End Time:** 9:55
Well Construction: 2" PVC Grundfos
Depth to water: 10.23'
Well Depth: 72.40'
Water Column: 62.17'
Total Volume Removed (L) 36.02

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLM	02H0893 AF
Solinst	water meter	29307
Lamotte	Turbidimeter	3721-4102

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
7:50	0.52	260	10.28	8.13	7.81	129	6.27	21	29	cloudy
8:10	5.2	260	10.28	9.39	6.10	284	1.83	93	16	clear
8:30	5.2	260	10.28	9.61	6.13	320	1.59	101	6	clear
8:50	5.6	280	10.28	9.92	6.06	324	1.59	108	3	clear
9:10	6.0	300	10.28	9.95	6.10	326	1.52	116	2	clear
9:30	6.0	300	10.28	10.34	6.11	328	1.51	117	2	clear
9:40	3.0	300	10.28	10.27	6.10	327	1.53	119	2	clear
9:45	1.5	300	10.28	10.39	6.07	329	1.52	120	2	clear
9:50	1.5	300	10.28	10.37	6.08	329	1.53	120	2	clear
9:55	1.5	300	10.28	10.33	6.07	328	1.54	121	2	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:55	BN-EP-24-MW319	950ml Poly	1	None	Alk, Cl, Fer, NO2, NO3, SO4
9:55	BN-EP-24-MW319	250ml Poly	1	HNO3	Total iron, Arsenic, Manganese
9:55	BN-EP-24-MW319	40ml Poly	3	HCl	TOC
9:55	BN-EP-24-MW319	40ml Poly	2	HCl	Meth, Eth, Etha

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-319

Date: 4/19/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 10.11'
Well Depth: 72.40'
Water Column: 62.29'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AW
YSI	600XLM	02H0893 AF
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1445	—	—	—	8.49	6.41	392	0.96	88	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1435	BN-EP-24-MW319	40ml vial	2	HCl	VOC

Comments

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-330

Date: 4/19/04
Sampler: David C.
PID Reading: 0.0ppm

Start Time: 9:20 **End Time:** 11:30
Well Construction: 2" PVC Grundfos
Depth to water: 2.02'
Well Depth: 36.82'
Water Column: 34.80'
Total Volume Removed (L) 16.8

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLm	02H0893 AF
Solinst	water meter	29646
Lamotte	Turbidimeter	3152-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:25	2.0	400	3.95	7.02	7.60	112	3.41	-16	289	Grey
9:45	2.0	100	5.16	8.09	7.88	117	1.06	-86	186	Grey
10:05	2.6	130	5.60	9.38	7.89	116	1.21	-52	113	Grey
10:25	2.4	120	5.67	9.47	7.90	114	0.94	-87	96	cloudy
10:45	2.4	120	5.69	9.77	7.92	113	0.87	-99	85	cloudy
11:05	2.4	120	6.42	10.56	7.91	112	0.85	-103	79	cloudy
11:10	0.6	120	6.41	10.66	7.94	112	0.87	-105	68	cloudy
11:15	0.6	120	6.40	10.83	7.93	112	0.87	-104	64	cloudy
11:20	0.6	120	6.38	10.86	7.91	112	0.86	-104	62	cloudy
11:25	0.6	120	6.37	10.89	7.95	112	0.84	-106	61	cloudy
11:30	0.6	120	6.37	11.05	7.94	112	0.83	-107	59	cloudy
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:30	BN-EP-24-MW330	950ml Poly	1	None	ALK, Cl, FER, NO_2, NO_3, SO_4
11:30	BN-EP-24-MW330	250ml Poly	1	HNO_3	Total iron, Arsenic, Manganese
11:30	BN-EP-24-MW330	40ml vial	3	HCl	TOC
11:30	BN-EP-24-MW330	40ml vial	2	HCl	METH, ETH, ETHA

Comments

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/19/04
Location: NASB, Brunswick, ME
Sampler: David C.
Well ID: MW-330
PID Reading: 0.0ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 3.29'
Well Depth: 36.82'
Water Column: 33.53'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLM	02H0893 AF
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
9:10	—	—	—	8.03	7.90	117	0.80	-153	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:00	BN-EP-24-mw330	40ml vial	2	HCl	VOC

Comments

Signature

4/19/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-331

Date: 4/14/04
Sampler: MM/MAC/Todd
PID Reading: 0.0

Start Time: 1044 **End Time:** 1125
Well Construction: 2" PVC
Depth to water: artesian
Well Depth: 55.54
Water Column: 55.54
Total Volume Removed (L) 6.25

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893 AJ
Sonde		01F0657 AB
Lamotte	Turbidimeter	3164-1602
GeoPump		05640

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1049	1	200	–	8.3	6.48	389	3.04	120.3	24.9	clear
1059	1.5	150	–	8.25	6.42	379	1.57	98.8	4.8	
1109	1.5	150	–	8.24	6.37	372	1.46	100	2.3	
1119	1.5	150	–	8.23	6.34	370	1.4	105	0.91	
1124	0.75	150	–	8.23	6.33	369	1.37	107.7	0.8	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0950	BN-EP-24-MW331*	40 mL vial	3	HCl	VOC
1125	BN-EP-24-MW331**	40 mL vial	12	–	1,4-Dioxane
	BN-EP-24-MW331	1	5	HCl	TOC/Methane, Ethane, Ethene
		250 mL poly	1	HNO_3	TAL Metals
		1L poly	1	–	Alk/Chl/Fe/Nit/Sul/Nitrite

Comments

* PDB sample
Turbidity collected after flow-thru cell
** DUP + MS/MSD for 1,4-Dioxane DUP = BN-EP-24-XD1

Signature

4-14-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-333

Date: 4/13/04
Sampler: DJC, SW, KH
PID Reading: 0.0ppm

Start Time: 10:35 **End Time:** 12:40
Well Construction: 2" PVC Grundfos
Depth to water: 9.76'
Well Depth: 42.88'
Water Column: 33.12
Total Volume Removed (L) 17.35

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Lamotte	Turbidimeter	3152-1602
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC mS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
10:40	1.35	270	10.69	5.18	7.61	0.215	8.45	226.7	41	clear
11:00	2.0	100	10.68	7.03	7.74	0.222	3.12	-30.8	73	cloudy
11:20	2.0	100	10.65	7.53	7.87	0.219	1.68	-104.5	43	clear
11:40	2.0	100	10.65	8.03	7.84	0.197	1.20	-102.6	37	clear
12:00	2.8	140	10.76	8.42	7.82	0.187	0.91	-100.4	25	clear
12:20	3.6	180	10.92	8.73	7.82	0.186	0.95	-113.2	18	clear
12:30	1.8	180	10.94	8.93	7.84	0.185	0.80	-119.1	16	clear
12:35	0.9	180	10.88	9.08	7.83	0.184	0.86	-120.8	16	clear
12:40	0.9	180	10.98	9.14	7.84	0.185	0.82	-117.9	15	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
12:40	BN-EP-24-MW333	950ml poly	1	None	ALK, CL, FER, NO_2, NO_3, SO_4
12:40	BN-EP-24-MW333	250ml Poly	1	HNO_3	Total Iron, Arsenic, Manganese
12:40	BN-EP-24-MW333	40ml vial	3	HCL	Total Organic Carbon
12:40	BN-EP-24-MW333	40ml vial	2	HCL	Meth, ETH, ETHA
12:40	BN-EP-24-MW333	40ml vial	3	None	1,4 Dioxane

Comments
ToDD from EPA collected 3 additional 40ml vials to test for 1,4 Dioxane with NO preservative

Signature

4/13/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4-13-04
Location: NASB, Brunswick, ME
Sampler: DJC, SW, KH
Well ID: MW-333
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 9.93'
Well Depth: 42.88'
Water Column: 32.95'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29646

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC ~~mS~~/cm C	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0930	—	—	—	6.98	7.47	0.212	4.99	219.5	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
0920	BN-EP-24-MW333	40ml vial	2	HCl	VOC

Comments

Signature

4/13/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-334

Date: 4/21/04
Sampler: David C., MAC, MM
PID Reading: 0.0 ppm

Start Time: 1430 **End Time:**
Well Construction: 2" PVC Grundfos
Depth to water: 10.41
Well Depth: 47.45'
Water Column: 37.04
Total Volume Removed (L) 28.8

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	~~01B0582 AH~~ 0230183 AQ
YSI	600XLM	~~02H0993 AF~~ 01K0843 AE 01K0844
Solinst	water meter	29307
Lamotte	Turbidimeter	3721-4102

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1440	~~10~~ 5	500	14.11	9.15	7.42	174	1.10	18.0	315	Gray
1500	10	500	14.25	9.74	8.04	180	0.24	-170.2	36.6	"
1510	5	~~500~~ 500	14.15	9.75	8.13	184	1.03	-190.9	21.5	clear
1520	2	200	12.55	9.96	8.18	185	0.13	-193.6	18.3	"
1530	2	200	12.55	10.12	8.2	186	0.11	-201.5	14.1	"
1540	2	200	12.53	10.20	8.2	187	0.08	-207.3	10.7	clearer
1545	~~1~~	200	12.53	10.22	8.2	188	0.08	-209.7	10	"
1548	.6	200	12.53	10.25	8.2	188	0.08	-211.5	9	"
1551	.6	200	12.53	10.26	8.2	188	0.07	-212.1	9	"
1554	.6	200	12.53	10.27	8.2	188	0.07	-212.5	8	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot = 22L

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1555	BN-EP-24-MW334	950ml Poly	1	NONE	Alk, Cl, Fer, NO2, NO3, SO4
1555	BN-EP-24-MW334	250ml Poly	1	HNO3	Total iron, Arsenic, Manganese
	BN-EP-24-MW334	40ml vial	3	HCl	TOC
	BN-EP-24-MW334	40ml vial	2	HCl	Meth, Eth, Etha

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-334

Date: 4/21/04
Sampler: David C.
PID Reading: 0.0 ppm

Start Time: — **End Time:** —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 10.52'
Well Depth: 47.45'
Water Column: 36.93'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01B0582 AH
YSI	600XLM	02H0893 AF
Solinst	water meter	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
15:05	—	—	—	8.85	7.35	169	0.24	-92.1	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
14:55	BN-EP-24-MW334	40ml vial	2	HCl	VOC

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/22/04
Location: NASB, Brunswick, ME
Sampler: David C.
Well ID: MW-335
PID Reading: 0.0 ppm

Start Time: 8:35 **End Time:** 10:10
Well Construction: 2" PVC Grundfos
Depth to water: 18.50'
Well Depth: 89.32'
Water Column: 70.82'
Total Volume Removed (L) 29.4

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Salinst	water meter	29646
Lamotte	Turbidimeter	3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:40	2.4	480	18.63	7.57	8.12	216	3.56	47	55	cloudy
9:00	6.0	300	18.61	9.28	8.00	256	0.53	-202	45	cloudy
9:20	6.0	300	18.61	9.29	8.02	258	0.55	-214	31	cloudy
9:40	6.0	300	18.61	9.65	8.08	255	0.47	-228	14	clear
9:50	3.0	300	18.61	9.70	8.10	255	0.45	-232	10	clear
9:55	1.5	300	18.61	9.77	8.05	255	0.42	-226	8	clear
10:00	1.5	300	18.61	9.86	8.08	255	0.42	-230	8	clear
10:05	1.5	300	18.61	9.91	8.09	256	0.42	-232	8	clear
10:10	1.5	300	18.61	9.89	8.07	255	0.42	-230	7	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:10	BN-EP-24-MW335	950ml Poly	1	None	Alk, Cl, Fer, NO_2, NO_3, SO4
10:10	BN-EP-24-MW335	250ml Poly	1	HNO_3	Total iron, Arsenic, Manganese
10:10	BN-EP-24-MW335	40ml vial	3	HCl	TOC
10:10	BN-EP-24-MW335	40ml vial	2	HCl	Meth, Eth, Etha
10:10	BN-EP-24-MW335	40ml vial	2	HCl	VOC
10:10	BN-EP-24-MW335-MS/MSD	40ml vial	4	HCl	VOC
00:00	BN-EP-24-MW-XD25	40ml vial	2	HCl	VOC

Comments

Signature

4/22/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-335

Date: 4-21-04
Sampler: MAC/MM
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 18.53
Well Depth: 89.14
Water Column: 70.59
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		01K0981 AB
Sonde		01K0643 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1400	—	—	—	7.8	8.63	293	0.32	-283.1	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1400	BN-EP-24-MW335-S	40 ml VOA	2	HCl	VOC
	-M				
	-D				

Comments

Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-336

Date: 4-22-04
Sampler: Kate Heller
PID Reading: 0.0

Start Time: 8:40 **End Time:** 10:00
Well Construction: 2" ϕ PVC
Depth to water: 10.40
Well Depth: 28.8
Water Column: 17.4
Total Volume Removed (L) 12

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01B0582 AH
YSI	600 XL	02H0893 AF

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
8:45	1	230	0	6.45	6.40	34	11.00	112.2	45	clear
9:05	4	200	0	8.23	6.13	35	10.18	119.7	13	clear
9:15	2	200	0	8.37	6.10	35	9.90	133.3	7.4	clear
9:20	1	200	0	8.31	6.08	35	9.84	138.6	7.0	clear
9:25	1	200	0	8.32	6.08	35	9.76	140.4	7	clear
9:30	1	200	0	8.35	6.07	35	9.72	143.2	6	clear
9:35	1	200	0	8.39	6.08	35	9.70	145.2	5	clear
9:40	1	200	0	8.40	6.07	35	9.70	146.1	5	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
9:40	BN-EP-24-MW336	950 mL	1	None	Alk, Cl, Fer, NO_2, NO_3, SO_4
9:40	BN-EP-24-MW336	500 mL	1	HNO_3	Metals
9:40	BN-EP-24-MW336	40 mL	5	HCl	TOC (3) Ethane, Meth. Eth.
9:40	BN-EP-24-MW336	40 mL	2	HCl	VOC 8260

Comments

Signature

4-22-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW 336

Date: 4-19-04
Sampler: Suzanne, Mark, Matt
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: 10.40
Well Depth: 28.81
Water Column: _____
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	~~02J0183AQ~~ 01B0582 AH
YSI	600XLM	
La		

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
~~10:13~~										
8:30	0			6.54	6.92	32	12.03	138.2		
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:13	BNEP.24.MW336 S	40 ml vial	2	HCL	VOCs
10:13	BNEP.24.MW336 M	40 ml vial	2	HCL	VOCs
10:13	BNEP.24.MW336 D	"	2	HCL	VOCs

Comments
Took parameters with YSI on 8-22-04. Tubing was stuck in well & needed to be removed

S Whitesides
Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-337

Date: 4-21-04
Sampler: MKH
PID Reading:

Start Time: 14:05 **End Time:**
Well Construction: 2"ø PVC
Depth to water: 15.29
Well Depth: 88
Water Column:
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600 XLM-B-M	01J0849 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:08	0.5	160	0.1	8.96	7.28	5.29	5.25	88.7	110	cloudy white
14:28	1.6	160	0.15	8.47	7.22	155	2.09	-114.8	100	cloudy
14:38	1.5	160	0.12	8.55	7.27	154	1.51	-123.3	90	cloudy
14:48	1.5	150	0.1	8.66	7.30	154	1.33	-128.9	65	cloudy
14:58	1.5	150	0.1	8.72	7.34	153	1.15	-130.2	50	cloudy/clear
15:08	1.5	150	0.09	9.29	7.36	154	1.09	-133.0	30	clear ①
15:18	1.5	150	0.1	9.42	7.39	154	0.89	-138.7	24	clear
15:28	1.5	150	0.1	9.52	7.40	155	0.80	-145.2	22	clear
15:33	0.75	150	0.1	9.53	7.40	154	0.74	-144.1	15	clear
15:38	0.75	150	0.1	9.54	7.41	154	0.73	-142.8	10	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
15:40	BN-EP-24-MW337	950 mL	1	None	Alk, Cl, Fer, NO_2, NO_3, SO_4
15:40	BN-EP-24-MW337	250 mL	1	HNO_3	Metals
15:40	BN-EP-24-MW337	40 mL	3+2	HCl	TOC + Methane Ethane Ethene
15:40	BN-EP-24-MW337	40 mL	2	HCl	VOC 8260
15:40	BN-EP-24-MW337 MS/MSD	Same as Above			
0:00	BN-EP-24-MWAXD3	Same as above (Not VOC 8260)			
0:00	BE-EP-24-XD24		2	HCl	VOC 8260

Comments
① Sunlight on flow cell may have impacted temperature

Signature **Date**

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: E. Plume
Location: NASB, Brunswick, ME
Well ID: MW-337 PDB

Date: 4/21/04
Sampler: MW/MAC
PID Reading: —

Start Time: 1000 **End Time:** 1015
Well Construction:
Depth to water: 15.25
Well Depth: 87.90
Water Column: 72.65
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0981AB
YSI	600 XL	01K0643AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm@	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1000	—	—		8.56	7.31	159	0.28	-157.7	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1000	BN-EP-24-MW337S	40ML	2	HCL	VOC
1005	BN-EP-24-MW337M	40ML	2	HCL	VOC
1010	BN-EP-24-MW337D	40ML	2	HCL	VOC

Comments Well bottom extremely soft

Mark A. Co
Signature

4/21/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-338A

Date: 4/15/04
Sampler: MM/MAC/SW/DC
PID Reading: –

Start Time: 1022 **End Time:** 1223
Well Construction: 2" PVC
Depth to water: 1.14
Well Depth: 93.54
Water Column: 92.40
Total Volume Removed (L)

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207AA
YSI	600XL	01J0849AB
Solinst	Water Meter	14913
Lamotte	TU Meter	2286-0701

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1022		290	1.14	7.45	9.31	1071	1.38	-116.3	>1100	greenish gray
1033		160	1.22	6.97	8.87	1101	0.81	-118.9	>1100	"
1102		200	1.24	7.27	8.80	1088	0.83	-116.6	858	"
1115		200	1.30	7.65	8.78	1071	0.54	-122.4	516	"
1131		200	1.31	7.73	8.77	1069	0.32	-141.7	204*	"
1150		220	1.31	7.62	8.78	1065	0.28	-154.1	99.9	"
1205		220	1.31	7.87	8.79	1059	0.27	-166.0	57.7	"
1222		220	1.31	7.78	8.79	1053	0.25	-174.6	44.1	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

EPA 524.1 → TOC, Meth, Eth, Ethane

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1223	~~MW-338A~~ BN-EP-24-MW338A	40 mL vials	5	HCl	~~MNA Parameters~~ + 1,4-Dioxane
|	BN-EP-24-M338A	40 mL vials	3X2	–	1,4-Dioxane
|	|	250mL poly	1	HNO_3	Metals
		1L poly	1	–	Alk, Cl, F^-, NO_2, NO_3, SO_4
		40 ml vial	2	HCl	VOCs

Comments

First low flow sampling - New well
1046 - Purged air bubble out of tubing - dumped flow cell
* TU from stopcock = 151 - all future TU from stopcock

Mark O. Cr
Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/15/04
Location: NASB, Brunswick, ME
Sampler: DJC, SW, MM, MC
Well ID: MW338A
PID Reading: 0.0 ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 1.14'
Well Depth: 93.54'
Water Column: 92.40'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207 AA
YSI	600XL	01J0849 AB
Solinst	water meter	14913

	Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
M	10:10	—	—	—	8.33	8.73	1107	0.01	-184.5	—	—
Acceptance Criteria:						10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:00	BN-EP-24-MW338AS	40ml vial	2	HCl	VOC
10:00	BN-EP-24-MW338AM	40ml vial	2	HCl	VOC
10:00	BN-EP-24-MW338AD	40ml vial	2	HCl	VOC

Comments

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-338B

Date: 4-22-04
Sampler: MAC & MM
PID Reading: 0.0

Start Time: 1210 **End Time:** 1411
Well Construction: 2" PVC
Depth to water: 1.9
Well Depth: 74.5
Water Column: 72.6
Total Volume Removed (L) 51

Field Testing Equipment

Make	Model	Serial #
YSI		01K0981 AB
Sonde		01K0643 AB
Lamotte	Turbidimeter	2286-0701
Redi-flo		228498

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1220	5	500	2.17	8.26	8.01	112	7.25	118	11	clear
1240	10	500	2.17	8.20	8.06	115	0.57	-136.9	350	cloudy
1300	10	500	"	8.53	8.02	113	0.63	-171.7	130	cloudy
1320	10	500	"	8.57	8.03	111	0.52	-181.6	38	"
1330	5	500	" 2.02	8.65	8.07	111	0.47	-188.5	22	"
1340	5	500	" 2.04	8.65	8.08	110	0.44	-191.6	18	clear
1350	2	200	~~2.06~~	8.89	8.09	109	0.40	-182.2	17	"
1355	1	200	2.01	9.0	8.09	109	0.40	-173	16	"
1300	1	200	2.03	8.89	8.07	109	0.42	-174.3	19	"
1405	1	200	2.03	8.68	8.07	109	0.46	-173.9	16	"
1410	1	200	"	8.68	8.09	109	0.47	-174.0	14	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1411	BN-EP-24-MW338B	40mL voa	7	HCl	VOC, TOC, Meth, Eth, EH
		250mL poly	1	1+NO_3	Metals
		1L poly	1	—	Alk, Cl, Fer, NO_2, NO_3, SO_4

Comments

Signature

4-22-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: mw-338B

Date: 4/16/04
Sampler: MAC & MM
PID Reading: 0.0

Start Time: — **End Time:** —
Well Construction: 2" PVC
Depth to water: 1.92
Well Depth: 72.55
Water Column: 70.63
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI		01K0893 AJ
Solo		01F0657 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1315	—	—	—	8.25	8.0	112	0.31	-192.1	—	
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1310	BN-EP-24-MW338B-S	40 mL vial	2	HCl	VOC
	BN-EP-24-MW338B-M				
	BN-EP-24-MW338B-D				

Comments

Signature

4-16-03
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-338C

Date: 4-19-04
Sampler: SW, MAC, MM
PID Reading: 0.0

Start Time: 0918 **End Time:** 1045
Well Construction: 2" PVC
Depth to water: 3.4
Well Depth: 54.8
Water Column: 51.4
Total Volume Removed (L) 35.2

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600 XLM	01A0849 AB
Lamotte	Turbidimeter	2286-0701
Solinst		14913
Redi-Flo		225650

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0938	10	500	3.82	7.72	8.04	77	9.68	-83.1	94.5	clear
0958	10	500	3.77	8.49	8.08	76	6.97	-80.4	39	"
1018	10	500	3.77	8.74	8.07	76	6.68	-78.5	10	"
1038	4	200	"	8.75	8.07	76	6.62	-77.4	9	"
1041	0.6	200	"	8.76	8.07	75	6.58	-77.2	8	"
1044	0.6	200	"	8.75	8.06	75	6.55	-76.9	8	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1045	BN-EP-24-MW338C	40 ml VOA	5	HCl	TOC, Meth, Eth, Etha
		250 ml poly	1	HNO_3	Metals
		1L poly	1	—	Alk, Fer, NO_2, NO_3, SO_4

Comments

Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/15/04
Location: NASB, Brunswick, ME
Sampler: DJC, SW, MM
Well ID: MW-338C
PID Reading: 0.0 ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 3.67'
Well Depth: 54.98'
Water Column: 51.31'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K08
YSI	600XL	01F065
Solinst	water meter	29646

	Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
~~M~~	~~10:40~~	—	—	—	~~8.15~~	~~8.04~~	~~66~~	~~27.40~~	~~100.4~~	—	—
M	11:00	—	—	—	8.23	7.93	59	6.16	77.5	—	—
Acceptance Criteria:						10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
10:30	BN-EP-24-MW338CS	40ml vial	2	HCl	VOC
10:30	BN-EP-24-MW338CM	40ml vial	2	HCl	VOC
10:30	BN-EP-24-MW338CD	40ml vial	2	HCl	VOC

Comments

Problem with YSI, switched out to another one due Too high DO reading.

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-339

Date: 4-19-04
Sampler: SW/MAC/MM
PID Reading: 0.0

Start Time: 0935 **End Time:** 1119
Well Construction: 2" PVC
Depth to water: 3.0
Well Depth: 74.93
Water Column: 71.93
Total Volume Removed (L) 49.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893AJ
YSI	600 XLM	01F0657AB
Red-Flo		
Lamotte	Turbidimeter	3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
0940	~~0~~ 2.5	500	3.2	7.28	8.7	132	9.03	11.6	199	cloudy
1000	10	500	3.22	8.20	8.04	122	1.1	-175.0	25	clear
1020	10	500	3.22	8.41	8.16	112	0.8	-189.6	12	"
1040	10	500	3.22	8.48	8.2	112	0.68	-196.8	4.61	"
1050	5	500	3.22	8.52	8.22	111	0.65	-198.1	4.25	"
1100	5	500	3.22	8.54	8.22	111	0.63	-200	3.99	"
1110	5	500	3.22	8.55	8.23	110	0.6	-201.5	3.05	"
1115	~~2~~ 1	200	3.1	8.54	8.22	110	0.59	-202.1	3.45	"
1118	0.6	200	3.1	8.55	8.22	110	0.59	-202.3	3.68	"
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1119	BN-EP-24-MW339	40 ml vog	5	HCl	TOC, Meth, Eth, Ethane
		250 ml poly	1	HNO_3	Metals
		1L poly	1	—	Alk, Fer, NO_2, NO_3, SO_4

Comments

Signature

4-19-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume **Date:** 4/15/04

Location: NASB, Brunswick, ME **Sampler:** DJC, MM, SW

Well ID: MW-339 **PID Reading:** 0.0ppm

Start Time: — **End Time:** —

Well Construction: 2" PVC Passive Diffuser Bag

Depth to water: 2.91'

Well Depth: 74.99'

Water Column: 72.08'

Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	01K0893 AJ
YSI	600 XL	01F0657 AB
Solinst	water meter	29646

	Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
m	11:30	—	—	—	8.14	~~118~~ 7.89	118	0.46	-166.7	—	—
	Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
11:20	BN-EP-24-MW339 S	40ml vial	2	HCl	VOC
11:20	BN-EP-24-MW339 M	40ml vial	2	HCl	VOC
11:20	BN-EP-24-MW339 D	40ml vial	2	HCl	VOC

Comments

Signature: [signature] Date: 4/15/04

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Easton Plume
Location: NASB, Brunswick, ME
Well ID: MW-NASB-212

Date: 4/18/04
Sampler: FS/MM
PID Reading: 0.0

Start Time: 1650 **End Time:**
Well Construction: 2" PVC
Depth to water: 8.80
Well Depth: 67.09
Water Column: 58.29
Total Volume Removed (L) 37.5

Field Testing Equipment

Make	Model	Serial #
YSI	650	01B05 82
Lamotte	Turbidimeter	3152-1602
Grundfos	Rediflo	9503
YSI	600	02H093 AF

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color*
1655	1.5	300	9.05	8.77	7.35	217	6.39	-57	18	Clear
1705	3.0	375	9.05	8.70	7.12	285	1.55	-195	221	Brown/Silty
1715	3.75	375	9.05	9.71	7.12	322	0.83	-189	263	" "
1725	3.75	300	9.05	9.55	7.02	315	0.79	-173	121	" "
1745	3.0	300	9.01	9.16	6.94	303	1.85	-175	64	" " ~~tested~~ FS lighter than prev.
1805	6.0	300	9.00	8.89	6.96	297	3.23	-162	37	Clear
1815	6.0	300	8.98	8.83	6.93	296	3.07	-161	27	Clear
1825	3.0	300	8.97	8.78	6.93	296	3.17	-160	14	Clear
1828	3.0	300	8.97	8.86	6.92	296	3.10	-159	6	Clear
1831	0.9	300	8.96	8.90	6.92	295	3.08	-159	5	Clear
1834	0.9	300	8.96	8.94	6.91	296	3.10	-160	6	Clear
FS	~~1.9~~ 1.8									
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1840	BN-EP-24-MW212	40 mL vial	5	HCl	TOC, Meth, EtH, Etha
↓	↓	250 mL poly	1	HNO_3	Metals
↓	↓	1 L poly	1	—	Alk, Fer, NO_2, NO_3, SO_4

Comments

* Brownish orange Silt color

Signature

4/18/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW-NASB-212

Date: 4/18/04
Sampler: FS/MM
PID Reading: 0.0

Start Time: _____ **End Time:** _____
Well Construction: 2" PVC
Depth to water: _____
Well Depth: _____
Water Column: _____
Total Volume Removed (L) _____

Field Testing Equipment

Make	Model	Serial #
YSI	650	0160528

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
4:45	—	—	—	8.03	7.13	335	0.74	-165	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1645	BN-EP-24-MW212	VOA	2	HCL	VOC

Comments

_____

_____

_____

Signature: [signature] Date: 4/18/04

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/15/04
Location: NASB, Brunswick, ME
Sampler: DJC, MM
Well ID: MW 308
PID Reading: 0.0 ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 3.57'
Well Depth: 73.06'
Water Column: 69.49'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0893 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm^c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
15:10	—	—	—	8.45	8.80	892	0.43	-262	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1500	BN-EP-24-MW308	40ml vial	2	HCl	VOC
~~00:00~~	~~BN-EP-24-MW-XD21~~	~~40ml vial~~	~~2~~	~~HCl~~	~~VOC~~
~~15:00~~	~~BN-EP-24-MW308-MS/MSD~~	~~40ml vial~~	~~4~~	~~HCl~~	~~VOC~~
00:00	BN-EP-24-MW-XD21	40ml vial	2	HCl	VOC

Comments

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Date: 4/15/04
Location: NASB, Brunswick, ME
Sampler: DJC, MM
Well ID: MW 309 B
PID Reading: 0.0 ppm

Start Time: —
End Time: —
Well Construction: 2" PVC Passive Diffuser Bag
Depth to water: 0.62'
Well Depth: 59.69'
Water Column: 59.07'
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	01K0993 AJ
YSI	600XL	01F0657 AB
Solinst	water meter	29307

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm[c]	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1530	—	—	—	8.44	8.51	270	0.22	-295	—	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1520	BN-EP-24-MW309B	40ml vial	2	HCl	VOC

Comments

Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: MW 323

Date: 4.15.04
Sampler: Suzanne Whiteside
PID Reading: 0.0

Start Time: 14:48 **End Time:** 16:00
Well Construction: 2" PVC peristaltic
Depth to water: 16.62
Well Depth: 37.82
Water Column: 21.2
Total Volume Removed (L) 7.1

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	00L1207 AA
YSI	600 XLM	01J0849 AB
Geopump 2		05642
Solinst water level		
LaMotte turbidimeter		2286-070

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
14:49	.1	135	16.89	9.56	8.03	153	8.64	170.8	10	clear
14:59	1.25	125	17.89	10.13	7.63	140	6.78	142.4	10	clear
15:09	1.75	175	18.67	9.59	7.56	140	6.36	124.0	5	clear
15:19	1	100	18.68	9.57	7.51	140	5.60	101.5	5	clear
15:29	1	100	18.58	9.35	7.56	141	5.61	66.7	4	clear
15:39	1	100	18.58	9.37	7.56	141	4.60	32.8	3	clear
15:44	.5	100	18.58	9.44	7.56	141	4.54	19.2	3	clear
15:49	.5	100	18.57	9.48	7.59	141	4.46	2.0	3	clear
15:54	.5	100	18.57	9.51	7.59	141	4.41	1.0	3	clear
15:59	.5	100	18.56	9.52	7.56	141	4.36	0.1	3	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
16:00	BN-EP-24-MW323	40 ml vial	2	HCl	TCL VOC

Comments

Suzanne Whiteside
Signature

4.15.04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: P-106

Date: 4-14-04
Sampler: Mark, Matt, Todd
PID Reading: 0.0

Start Time: 1339 **End Time:** 1450
Well Construction: 3/4" PVC
Depth to water: 8.33 ft
Well Depth: 72.05 ft
Water Column: 63.72 ft
Total Volume Removed (L) 8.5

Field Testing Equipment

Make	Model	Serial #
TSI	650 MDS	01K0893 AJ
Sonde		01F0657 AB
Lamotte	Turbidimeter	3164-1602
Geo Pump	Peristaltic	05640

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1344	1.0 ~~0.5~~	200	*	8.18	7.01	130	7.35	141.6	4.9	clear
1354	2.0 ~~0.5~~	200	|	8.03	7.07	124	7.56	139.7	32	|
1404	3.0 ~~0.5~~	100	|	7.94	7.1	125	7.57	143.1	13.6	|
1414	4.0 ~~0.5~~	100	|	7.87	7.11	126	7.54	146.2	6.1	|
1424	5.0 ~~0.5~~	100	|	7.77	7.11	126	7.49	148.2	2.9	|
1434	1	100	|	7.78	7.12	126	7.45	148.6	3.5	|
1444	1	100	|	7.76	7.12	126	7.42	148.9	1.9	|
1449	0.5	100	|	7.83	7.12	126	7.39	149.1	1.7	|
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1450	BN-EP-24-P106	40mL vial	3	–	1,4-Dioxane
|	|	|	3	HCl	VOC
|	|	|	3	|	TOC
|	|	|	2	|	Meth, Eth, Etha
|	|	250mL poly	1	HNO_3	Metals
|	|	1 L poly	1	–	Alk, Cl, Fer, NO_2, NO_3, SO

Comments

*could not read drawdown due to size of PVC casing + use of 1/2 inch tubing
Turbidity collected after flow-thru cell

Signature

4-14-04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: EW-2A

Date: 4/19/04
Sampler: MAC
PID Reading: —

Start Time: 1455 **End Time:**
Well Construction: 6" steel
Depth to water: 2.87'
Well Depth: 80.29
Water Column:
Total Volume Removed (L) 4

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02J0183AQ
YSI	600 XL	01K0643AE
Lamotte	TU Meter 2020	3164-1602

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1515	4	—	—	9.68	6.74	326	7.66	-38.1	34.1	Rusty
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1500	BN-EP-24-EW02A	40ML	2	HCL	VOC

Comments

83.90
3.61
80.29

Mark A. Co
Signature

4/19/04
Date

6.48
-3.61
2.87

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: NASB
Location: NASB, Brunswick, ME
Well ID: Combined Effluent

Date: 4/15/04
Sampler: MAC/FS
PID Reading: —

Start Time: 1305 **End Time:** 1310
Well Construction: NA
Depth to water: NA
Well Depth: NA
Water Column: NA
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650MDS	00L1207AA
YSI	600XL	01J0849 AB

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1310	—	—	—	8.13	8.21	193	10.67	-32.6	0.1	—
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1310	BN-EP-24-TPE	40ml vial	2	HCL	VOC
		40ml vial	3	None	1-4 Dioxane
0000	BN-EP-24-TPE-XD14	"	2	HCL	VOC

Comments

* Also MS/MSD on the VOC

Mark O. Co
Signature

4/15/04
Date

Environmental Chemical Corporation

Low Flow/Low Stress Groundwater Sampling Log

Project: Eastern Plume
Location: NASB, Brunswick, ME
Well ID: Plant Influent

Date: 4/19/04
Sampler: MAC
PID Reading: —

Start Time: 1150 **End Time:**
Well Construction: NA
Depth to water: NA
Well Depth: NA
Water Column: NA
Total Volume Removed (L) —

Field Testing Equipment

Make	Model	Serial #
YSI	650 MDS	02J0183 AQ
YSI	600XL	01K0643 AE
Lamotte	TUmeter	3741-4172

Time	volume removed (liters)	Flow Rate (ml/min)	drawdown (ft)	Temp (celsius)	pH (STD)	SPC uS/cm c	DO (mg/L)	ORP (mV)	Turbidity (NTU)	color
1150	—	—	—	7.47	7.77	186	8.19	75.2	2.25	clear
Acceptance Criteria:					10%	10%	10%	10%	<10	

2" screen volume = 0.163 gal/ft or 616 ml per foot

Sample Collection

Time	Sample ID	Container	# of Bottles	Preservative	Analyses
1155	BN-EP-24 RAW Influent		2	HCL	VOC

Comments

Mark A. Ca
Signature

4/19/04
Date

Page____ of ____

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: Eastern Plume
Project Number: 5700.007
Sample Location ID: Seep - 9
Date / Time: 4-21-04
ECC Personnel: Suzanne Whiteside, Kate Heller

~~SURFACE WATER~~ / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: 2"	Dissolved Oxygen (mg/L): 0.42
Velocity of Water: 0	ORP (mV) -207.7
Temperature (C): 9.07	pH (units): 7.16
Conductivity (uS/cm): 309	Turbidity (NTU)

Sample Observations:
(X) Odor None
(X) Color Light Brown
( ) Other

~~SEDIMENT~~ / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: (X) Organic ( ) Gravel ( ) Clay ( ) Silt (X) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor None
( ) Color brown
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-1&3-24-Seep 9		4-21-04 10am	✓		HNO_3	1
BN-1&3-24-Seep 9		4-21-04 10am	✓		None	2
BN-1&3-24-Seep 9		4-21-04 10am	✓		VOC	2

Notes / Comments:

BN-1&3-24-Seep 9-MS/MSD 2 sets of samples listed above

BN-1&3-24-~~Seep~~-XD11 1 set of samples listed above

No rinsate collected - used disposable samplers

BN-1&3-24-LT9 4-21-04 10:15
BN-1&3-24-XD13 4-21-04 00:00
BN-1&3-24-LT9-MS/MSD 4-21-04 10:15

Page____ of ____

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: Eastern Plume
Project Number: 5700.007
Sample Location ID:
Date / Time: 4-21-04
ECC Personnel: Suzanne W., Kate H.

SURFACE WATER / ~~LEACHATE SEEP INFORMATION~~

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 0-1.5'	Dissolved Oxygen (mg/L): 12.08
Velocity of Water:	ORP (mV) -11.6
Temperature (C): 8.69	pH (units): 6.97
Conductivity (uS/cm): 213	Turbidity (NTU)

Sample Observations:
( ) Odor None
( ) Color clear
( ) Other

SEDIMENT / ~~LEACHATE SEEP~~ SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-1E3-24-SW09	Surface 9	4/21/04 10:00	X		HCL	2
BN-1E3-24-SW09	surface 9	4/21/04 10:00	X		HNO3	1
BN-1E3-24-SW09	surface 9	4/21/04 10:00	X		1	

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SW-10
Date / Time: 4/8/04 1249
ECC Personnel: Mark, Matt, Darren

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth:	2.5 ft	Dissolved Oxygen (mg/L):	16.2
Velocity of Water:	2 ft/sec	ORP (mV)	136.5
Temperature (C):	8.16	pH (units):	8.5
Conductivity (uS/cm):	136	Turbidity (NTU)	2

Sample Observations:
( ) Odor none
(X) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SW10	SW-10	4/8/04 / 1249	X		HCl	2

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SW-11 / SED-11
Date / Time: 4/8/04 1207 / 1215
ECC Personnel: Mark & Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth:	1.5 ft	Dissolved Oxygen (mg/L):	18.68
Velocity of Water:	2 ft/s	ORP (mV)	135.3
Temperature (C):	7.23	pH (unjts):	7.39
Conductivity (uS/cm):	132	Turbidity (NTU)	2

Sample Observations:
( ) Odor none
( ) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay (X) Silt (X) Sand ( ) Other _____

Type of Samp. Collected: (X) Discrete ( ) Composite

Sample Observations:
( ) Odor
(X) Color black ~dark brown
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time		Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SW11	SW-11	4/8/04	1207	X		HCl	2
BN-EP-24-XD16	SW-11		0000	X			2
BN-EP-24-SW11 MS/MSD	SW-11		1207	Y			4
BN-E-24-SED11	SED-11		1215		X		2
BN-E-24-SED11-MS/MSD	SED-11		1215		X		~~2~~ 4
Notes / Comments:							
BN-E-24-SED-XD17	SED-11		0000		X		~~2~~ 2

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SW-12
Date / Time: 4/8/04 1055
ECC Personnel: Mark & Matt

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 1.5 ft	Dissolved Oxygen (mg/L): 19.46
Velocity of Water: 2.5 ft/s	ORP (mV) 140.
Temperature (C): 7.12	pH (units): 7.25
Conductivity (uS/cm): 117	Turbidity (NTU) 2

Sample Observations:
( ) Odor none
( ) Color clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SW12	SW-12	4/8/04 1055	X		HCl	2

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SW-13
Date / Time: 4/8/04 / 1137
ECC Personnel: Mark, Matt, Darren

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 6 in	Dissolved Oxygen (mg/L): ~~14.34~~ 17.64
Velocity of Water: 1 ft/s	ORP (mV) 143.4
Temperature (C): 6.91	pH (units): 7.54
Conductivity (uS/cm): 48	Turbidity (NTU) 5

Sample Observations:
( ) Odor none
( ) Color clear / brownish
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SW13	SW-13	4/8/04 1137	x		HCl	2

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB
Project Number: 5700.007
Sample Location ID: SW-14
Date / Time: 4/8/04 1118
ECC Personnel: Mark, Matt, Darren

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. (X) Stream ( ) River ( ) Seep

Water Depth: 2 ft	Dissolved Oxygen (mg/L): 16.59
Velocity of Water: 1.5 ft/s	ORP (mV) 133.3
Temperature (C): 6.86	pH (units): 7.2
Conductivity (uS/cm): 75	Turbidity (NTU) 4

Sample Observations:
( ) Odor none
(X) Color brown tint / clear
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SW14	SW-14	4/8/04 / 1118	✓		HCl	2

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SEEP-10
Date / Time: 4/8/04 1302
ECC Personnel: Mark, Matt, Darren

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth:	1 in	Dissolved Oxygen (mg/L):	10.14
Velocity of Water:	—	ORP (mV)	261.4
Temperature (C):	2.95	pH (units):	7.85
Conductivity (uS/cm):	36	Turbidity (NTU)	5

Sample Observations:
( ) Odor none
( ) Color brownish
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix: Aqueous	Matrix: Solid	Preservative	Number of Containers
BN-EP-24-SEEP10	SEEP-10	4/8/04 1302	X		HCl	2
BN-EP-24-XD15	|	| 0000	X		|	2
BN-EP-24-SEEP10 MS/MSD	|	| 1302	X		|	4

Notes / Comments:

FIELD RECORD OF SURFACE WATER AND SEDIMENT SAMPLING

Project Name: NASB, ME LTM
Site: NASB Eastern Plume
Project Number: 5700.007
Sample Location ID: SEEP-11
Date / Time: 4-8-04 / 1240
ECC Personnel: Mark, Matt, Darren

SURFACE WATER / LEACHATE SEEP INFORMATION

Type of S.W. ( ) Stream ( ) River (X) Seep

Water Depth: 1 in	Dissolved Oxygen (mg/L): 11.52
Velocity of Water: –	ORP (mV) 319.9
Temperature (C): 10.38	pH (units): 7.11
Conductivity (uS/cm): 111	Turbidity (NTU) 112

Sample Observations:
( ) Odor none
(X) Color Brownish
( ) Other

SEDIMENT / LEACHATE SEEP SEDIMENT INFORMATION

Sed. Type: ( ) Organic ( ) Gravel ( ) Clay ( ) Silt ( ) Sand ( ) Other _____

Type of Samp. Collected: ( ) Discrete ( ) Composite

Sample Observations:
( ) Odor
( ) Color
( ) Other

SAMPLES COLLECTED

Sample Identification	Sample Location	Date / Time	Matrix Aqueous	Matrix Solid	Preservative	Number of Containers
BN-EP-24-SEEP11	SEEP-11	4/8/04/1240	X		HCl	2

Notes / Comments:

APPENDIX F

Engineering Inspection Report

ENGINEERING INSPECTION OF SITE 1 AND 3

ECC Personnel: **Mary Kate Heller**

Weather: **Party Sunny, 60 degrees**

Date: **4/22/04**

1. Inspection of ground surface for exposure of geotextile cover (cap erosion):

   No exposure of geotextile was noted. Vegetation is well established on ground surface.

2. Inspection of ground surface for differential settlement resulting in soil cracking or ponded water:

   Cap is sloped and drainage appears to be functioning very well. No depressions, ponder water or soil cracking was noted.

3. Identification of stressed vegetation:

   Vegetation does not appear stressed at this time although growing season has not yet begun. Grass appears to be well established on and around cap.

4. Identification of seeps, rooted vegetation (trees), and/or animal burrows:

   Animal burrows and small shrubs were noted in mounding adjacent to landfill gas vent concrete encasements and on the surface of concrete encasements. Because vent bases are encased in concrete above the ground surface the shrubs and burrows do not present an imminent risk to cap maintenance. Pictures of burrows adjacent to and within concrete encasements are attached. Borrows and shrubs should be monitored in upcoming inspections and removed if warranted.

5. Identification of deteriorating equipment (i.e., gas probes, monitoring wells, piezometers, fencing, or drainage structures):

   Drainage structures, including storm water detention basin, culverts and catch basins, appeared in good condition and functioning well. Monitoring wells were inspected during long-term monitoring sampling activities and all appeared in good condition. No other deteriorating equipment was noted.

6. Inspection of parking lots, access roads, and pavement structures.

   Access road is in good condition.

7. Inspection of south slope along Mere brook for the presence of erosion or sloughing.

   Slope appears in good condition with well-established vegetation present in soil areas and rip rap in tact in drainage areas.

Summary: Overall landfill cap and appurtances are in good conditions. No corrective actions are recommended at this time.

Signature Mary Kate Heller Date 4/30/04

Site 1 & 3 Landfill Photos

Drainage Structures appear to be in good condition and functioning well.

Animal burrows and small shrubs in mounding located adjacent to landfill gas vent concrete encasements. Because shrubs and burrows are above the ground surface in mounded area they do not appear to present an imminent risk to cap maintenance.

Animal burrows and small shrubs on the surface of the interior of concrete encasements. Because vent bases are encased in concrete above the ground surface and the shrubs and burrows appear to be surficial, they do not present an imminent risk to cap maintenance.

Overall landfill cap and appurtances are in good conditions Cap is sloped and drainage appears to be functioning very well. No geotextile appears exposed and vegetation is well-established.

APPENDIX G

Analytical Report Form I Data Tables

Accutest Laboratories

Report of Analysis

Client Sample ID:	TP-125-TP1		
Lab Sample ID:	M38581-1	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36427.D	1	04/10/04	PB	n/a	n/a	MSG1425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	6.8	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	12.4	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	22.1	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	2.7	2.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	68.6	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	40.1	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-125-TP1		
Lab Sample ID:	M38581-1	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	95%		87-111%
460-00-4	4-Bromofluorobenzene	97%		81-116%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-125-TPE		
Lab Sample ID:	M38581-2	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36428.D	1	04/10/04	PB	n/a	n/a	MSG1425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-125-TPE		
Lab Sample ID:	M38581-2	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	97%		81-116%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TP-125-TPE		
Lab Sample ID:	M38581-2	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Antimony	<6.0	6.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Arsenic	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Barium	<200	200	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Beryllium	<4.0	4.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Cadmium	<4.0	4.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Calcium	10200	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Chromium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Cobalt	<50	50	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Copper	<25	25	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Iron	<100	100	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Lead	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Magnesium	5090	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Manganese	<15	15	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Mercury	<0.20	0.20	ug/l	1	04/09/04	04/09/04	SK	SW846 7470A [2]	SW846 7470A [4]
Nickel	<40	40	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Potassium	<5000	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Selenium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Silver	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Sodium	15100	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Thallium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Vanadium	<50	50	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Zinc	<20	20	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA4577
(2) Instrument QC Batch: MA4582
(3) Prep QC Batch: MP5401
(4) Prep QC Batch: MP5417

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TP-125-TPE		
Lab Sample ID:	M38581-2	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	04/08/04 13:19	MA	EPA 335.3

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	TP-125-DUPE		
Lab Sample ID:	M38581-3	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36429.D	1	04/10/04	PB	n/a	n/a	MSG1425
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-125-DUPE		
Lab Sample ID:	M38581-3	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	97%		81-116%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TP-125-DUPE		
Lab Sample ID:	M38581-3	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Antimony	<6.0	6.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Arsenic	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Barium	<200	200	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Beryllium	<4.0	4.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Cadmium	<4.0	4.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Calcium	10200	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Chromium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Cobalt	<50	50	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Copper	<25	25	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Iron	<100	100	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Lead	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Magnesium	5030	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Manganese	<15	15	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Mercury	<0.20	0.20	ug/l	1	04/09/04	04/09/04	SK	SW846 7470A [2]	SW846 7470A [4]
Nickel	<40	40	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Potassium	<5000	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Selenium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Silver	<5.0	5.0	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Sodium	15000	5000	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Thallium	<10	10	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Vanadium	<50	50	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]
Zinc	<20	20	ug/l	1	04/05/04	04/08/04	LMN	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA4577
(2) Instrument QC Batch: MA4582
(3) Prep QC Batch: MP5401
(4) Prep QC Batch: MP5417

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TP-125-DUPE		
Lab Sample ID:	M38581-3	**Date Sampled:**	04/01/04
Matrix:	AQ - Ground Water	**Date Received:**	04/02/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	04/08/04 13:20	MA	EPA 335.3

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW319		
Lab Sample ID:	M38974-1	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3564.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW319		
Lab Sample ID:	M38974-1	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	0.46 U	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	115	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	8.5	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW319		
Lab Sample ID:	M38974-1	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	26.3	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	70.5	5.0	mg/l	5	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:46	MA	SM18 3500FED
Nitrogen, Nitrate [a]	3.0	0.11	mg/l	1	04/23/04 12:54	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	3.0	0.10	mg/l	1	04/23/04 12:54	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:00	OP	EPA 354.1
Sulfate	16.5	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 11:43	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW331A		
Lab Sample ID:	M38974-2	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3565.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331A		
Lab Sample ID:	M38974-2	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	0.58 B	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	397	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	8.0	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW331A		
Lab Sample ID:	M38974-2	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	13.1	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	6.5	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:48	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.17	0.11	mg/l	1	04/23/04 12:55	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.17	0.10	mg/l	1	04/23/04 12:55	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:00	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 11:52	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW331B		
Lab Sample ID:	M38974-3	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3566.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331B		
Lab Sample ID:	M38974-3	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.7 B	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	357	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	9.0	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW331B		
Lab Sample ID:	M38974-3	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	15.2	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	4.5	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:48	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 12:56	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 12:56	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:00	OP	EPA 354.1
Sulfate	7.6	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 12:02	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW105A		
Lab Sample ID:	M38974-4	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3567.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW105A		
Lab Sample ID:	M38974-4	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	0.46 U	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	34.9 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	1.8 B	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW105A		
Lab Sample ID:	M38974-4	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	22.2	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	4.5	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:48	MA	SM18 3500FED
Nitrogen, Nitrate [a]	2.4	0.11	mg/l	1	04/23/04 13:00	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	2.4	0.10	mg/l	1	04/23/04 13:00	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:00	OP	EPA 354.1
Sulfate	119	25	mg/l	5	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 12:29	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW105A		
Lab Sample ID:	M38974-5	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37114.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW105A		
Lab Sample ID:	M38974-5	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW105B		
Lab Sample ID:	M38974-6	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3568.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW105B		
Lab Sample ID:	M38974-6	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	1.3 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	210	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	13.2	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW105B		
Lab Sample ID:	M38974-6	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	12.1	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	4.0	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:48	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:01	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:01	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	9.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	1.2	1.0	mg/l	1	04/26/04 12:37	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW337S		
Lab Sample ID:	M38974-7	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37115.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	0.85	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW337S		
Lab Sample ID:	M38974-7	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW337M		
Lab Sample ID:	M38974-8	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37116.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	1.3	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW337M		
Lab Sample ID:	M38974-8	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW337D		
Lab Sample ID:	M38974-9	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37117.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	0.69	2.0	0.45	ug/l	J
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	0.65	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW337D		
Lab Sample ID:	M38974-9	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW229A		
Lab Sample ID:	M38974-10	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3569.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW229A		
Lab Sample ID:	M38974-10	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.5 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1550	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	42.2	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW229A		
Lab Sample ID:	M38974-10	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	30.3	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	7.0	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:50	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.90	0.11	mg/l	1	04/23/04 13:02	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.90	0.10	mg/l	1	04/23/04 13:02	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 12:45	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW229A		
Lab Sample ID:	M38974-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37118.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.49	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	2.9	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.6	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	3.1	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	13.5	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	16.8	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW229A		
Lab Sample ID:	M38974-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW229B		
Lab Sample ID:	M38974-12	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3570.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW229B		
Lab Sample ID:	M38974-12	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	0.58 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	400	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	10.2	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW229B		
Lab Sample ID:	M38974-12	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	8.1	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	16.6	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:53	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.29	0.11	mg/l	1	04/23/04 13:04	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.29	0.10	mg/l	1	04/23/04 13:04	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	5.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 12:55	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW310		
Lab Sample ID:	M38974-13	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3571.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW310		
Lab Sample ID:	M38974-13	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.6 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	164	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	4.3	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW310		
Lab Sample ID:	M38974-13	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	21.2	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	16.1	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:53	MA	SM18 3500FED
Nitrogen, Nitrate [a]	1.9	0.11	mg/l	1	04/23/04 13:05	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.9	0.10	mg/l	1	04/23/04 13:05	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	7.2	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:06	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MNAXDA		
Lab Sample ID:	M38974-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3572.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MNAXDA		
Lab Sample ID:	M38974-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	1.3 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	226	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	4.5	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MNAXDA		
Lab Sample ID:	M38974-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	17.2	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	15.6	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:53	MA	SM18 3500FED
Nitrogen, Nitrate [a]	1.8	0.11	mg/l	1	04/23/04 13:06	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.8	0.10	mg/l	1	04/23/04 13:06	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	6.3	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:14	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-EW1		
Lab Sample ID:	M38974-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37119.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	1.6	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	2.8	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	12.6	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	3.6	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	9.0	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	22.4	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-EW1		
Lab Sample ID:	M38974-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW225A		
Lab Sample ID:	M38974-16	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37111.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.2	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	12.5	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	7.3	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	3.0	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	10.2	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW225A		
Lab Sample ID:	M38974-16	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD20		
Lab Sample ID:	M38974-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37120.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.35	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.1	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	12.4	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	7.4	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	3.5	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	10.7	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD20		
Lab Sample ID:	M38974-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD24		
Lab Sample ID:	M38974-18	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37121.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	1.1	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD24		
Lab Sample ID:	M38974-18	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW337		
Lab Sample ID:	M38974-19	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37165.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	1.3	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW337		
Lab Sample ID:	M38974-19	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW337		
Lab Sample ID:	M38974-19	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3559.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW337		
Lab Sample ID:	M38974-19	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	3.0 B	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	1910	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	714	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW337		
Lab Sample ID:	M38974-19	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	47.5	5.0	mg/l	1	04/27/04	OP	EPA 310.1
Chloride	11.1	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:46	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 12:53	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 12:53	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:00	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 11:34	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD3		
Lab Sample ID:	M38974-20	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3562.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD3		
Lab Sample ID:	M38974-20	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	2.8 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1960	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	680	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD3		
Lab Sample ID:	M38974-20	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	48.5	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	11.6	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:56	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:07	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:07	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/26/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:22	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW230A		
Lab Sample ID:	M38974-21	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3573.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW230A		
Lab Sample ID:	M38974-21	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	2.3 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1700	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	408	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW230A		
Lab Sample ID:	M38974-21	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	42.4	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	8.6	1.0	mg/l	1	04/26/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:58	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:09	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:09	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:31	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW334		
Lab Sample ID:	M38974-22	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37166.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	1.1	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW334		
Lab Sample ID:	M38974-22	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW334		
Lab Sample ID:	M38974-22	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3575.D	1	04/28/04	AF	n/a	n/a	GBA176
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW334		
Lab Sample ID:	M38974-22	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	7.0	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1800	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	211	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW334		
Lab Sample ID:	M38974-22	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	56.6	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	17.6	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/22/04 07:58	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 14:11	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 14:11	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/22/04 12:05	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:40	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335S		
Lab Sample ID:	M38974-23	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37167.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW335S		
Lab Sample ID:	M38974-23	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335M		
Lab Sample ID:	M38974-24	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37168.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW335M		
Lab Sample ID:	M38974-24	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335D		
Lab Sample ID:	M38974-25	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37169.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW335D		
Lab Sample ID:	M38974-25	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-QT6		
Lab Sample ID:	M38974-26	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37170.D	1	05/03/04	DRY	n/a	n/a	MSG1464
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.4	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT6		
Lab Sample ID:	M38974-26	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335		
Lab Sample ID:	M38974-27	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37203.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW335		
Lab Sample ID:	M38974-27	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335		
Lab Sample ID:	M38974-27	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3584.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	32.7	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335		
Lab Sample ID:	M38974-27	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	2.4 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1750	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	174	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW335		
Lab Sample ID:	M38974-27	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	80.8	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	29.7	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	05/05/04 12:49	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	05/05/04 12:49	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/23/04 18:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 14:34	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD25		
Lab Sample ID:	M38974-28	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37204.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD25		
Lab Sample ID:	M38974-28	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336		
Lab Sample ID:	M38974-29	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37205.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW336		
Lab Sample ID:	M38974-29	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336		
Lab Sample ID:	M38974-29	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3587.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW336		
Lab Sample ID:	M38974-29	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	0.46 U	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	135	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	8.9	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336		
Lab Sample ID:	M38974-29	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	<5.0	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	4.0	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	05/05/04 12:51	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	05/05/04 12:51	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/23/04 18:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 13:49	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-30	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37206.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.7	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.1	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	6.9	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-30	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-30	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3588.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-30	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	0.53 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	79.7 B	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	23.2	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-30	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	7.1	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	23.7	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	2.5	0.11	mg/l	1	05/05/04 12:52	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	2.5	0.10	mg/l	1	05/05/04 12:52	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/23/04 18:05	MA	EPA 354.1
Sulfate	10.1	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 14:42	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-31	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37207.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.5	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.5	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	8.2	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW224		
Lab Sample ID:	M38974-31	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD18		
Lab Sample ID:	M38974-32	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37208.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.7	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.1	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	7.0	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD18		
Lab Sample ID:	M38974-32	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW205		
Lab Sample ID:	M38974-33	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3589.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW205		
Lab Sample ID:	M38974-33	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	1.2 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	2110	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	97.6	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW205		
Lab Sample ID:	M38974-33	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	62.6	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	9.1	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	1.6	0.11	mg/l	1	05/05/04 12:53	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	1.6	0.10	mg/l	1	05/05/04 12:53	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/23/04 18:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 14:52	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW205		
Lab Sample ID:	M38974-34	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37209.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	4.2	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.0	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	3.7	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	24.5	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	27.5	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW205		
Lab Sample ID:	M38974-34	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338B		
Lab Sample ID:	M38974-35	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37210.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338B		
Lab Sample ID:	M38974-35	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338B		
Lab Sample ID:	M38974-35	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3590.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338B		
Lab Sample ID:	M38974-35	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	2.6 B	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1490	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	284	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13788
(2) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338B		
Lab Sample ID:	M38974-35	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	37.4	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	7.0	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	05/05/04 12:57	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	05/05/04 12:57	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/23/04 18:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/26/04 15:00	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-QS1		
Lab Sample ID:	M38974-36	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37211.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-QS1		
Lab Sample ID:	M38974-36	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-QS1		
Lab Sample ID:	M38974-36	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3591.D	1	04/29/04	AF	n/a	n/a	GBA177
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-QS1		
Lab Sample ID:	M38974-36	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	40.2 B	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	0.46 U	4.0	0.46	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [3]	SW846 3010A [6]
Barium	4.2 U	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Calcium	205 B	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Cobalt	0.76 U	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Iron	40.3 B	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	18.2 B	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [3]	SW846 3010A [6]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Magnesium	9.5 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Manganese	1.5 B	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	2.3	2.0	0.17	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [3]	SW846 3010A [6]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	1.2 U	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Potassium	59 U	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Sodium	327 B	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]
Zinc	21.0	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Instrument QC Batch: N:MA13788
(4) Prep QC Batch: MP5478
(5) Prep QC Batch: MP5482
(6) Prep QC Batch: N:MP25703

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW-QS1		
Lab Sample ID:	M38974-36	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	<5.0	5.0	mg/l	1	04/30/04	BF	EPA 310.1
Chloride	1.0	1.0	mg/l	1	05/01/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/23/04 17:10	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	05/05/04 12:58	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	05/05/04 12:58	MA	EPA 353.2
Nitrogen, Nitrite	0.10	0.010	mg/l	1	04/23/04 18:08	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	05/01/04	BF	EPA 375.4
Total Organic Carbon	8.0	1.0	mg/l	1	04/26/04 15:08	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-QT7		
Lab Sample ID:	M38974-37	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37212.D	1	05/04/04	PB	n/a	n/a	MSG1466
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT7		
Lab Sample ID:	M38974-37	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37005.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	65.7 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	2.4 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	4.2 U	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	3020 B	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	3.0 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	19.4 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	950 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	2.5 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	2.2 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	307 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	4050 B	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	11.0 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37006.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3050	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 B	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	14.2 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	18700	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	18.5	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	1.5 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	10.6 B	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	807	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	3470 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	24.5	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	15.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2350 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	7910	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.5 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	5.4 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-XD10		
Lab Sample ID:	M38930-3	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37007.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-XD10		
Lab Sample ID:	M38930-3	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-XD10		
Lab Sample ID:	M38930-3	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	73.3 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	19.8 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	48500	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	5.5 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	34.1 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8720	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	8.3 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	7.9 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2670 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	11400	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.4 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	9.3 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37008.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	1180	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.5 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	8.3 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	11100	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	10.1	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	1.3 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	1790	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	4010 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	28.3	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	7.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	1210 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	6670	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.2 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	2.8 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	12.1 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37009.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.49	2.0	0.40	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	67.7 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	3.0 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	19.8 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	47900	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	3.3 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	32.8 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8700	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	8.0 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	8.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2680 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	11300	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	7.3 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW218		
Lab Sample ID:	M38930-6	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37012.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW218		
Lab Sample ID:	M38930-6	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW218		
Lab Sample ID:	M38930-6	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	309	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	129	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	4.2 U	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	14600	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	14.8	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.93 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	2320	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8770	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	458	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	14.2 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	7960	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	210000	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.6 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	21.9	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37013.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	1.0	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.3	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	6.8	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	1.4	2.0	0.38	ug/l	J
79-01-6	Trichloroethene	0.87	2.0	0.38	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	91.9 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	2.1 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.8 B	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	41.9 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	145000	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	1.7 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	2.5 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	4810	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	12800	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	634	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	8.9 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	12400	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	14800	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	4.9 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	15.0 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-QT1		
Lab Sample ID:	M38930-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37014.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.0	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-QT1		
Lab Sample ID:	M38930-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW217B		
Lab Sample ID:	M38930-9	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3370	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	3.1 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	70.9	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	104 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.73 B	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	3.0 B	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	55600	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	11.8	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	11.0 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	17.8 B	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	173000	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	5.0	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	18600	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	1410	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [5]
Nickel	18.8 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	4870 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	146000	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/30/04	LMN	SW846 6010B [3]	SW846 3010A [4]
Vanadium	20.4 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	755	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Instrument QC Batch: MA4650
(4) Prep QC Batch: MP5466
(5) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW217B		
Lab Sample ID:	M38930-10	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37015.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	0.64	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	2.3	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW217B		
Lab Sample ID:	M38930-10	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	3.7	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37088.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	127 B	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	25.3 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	10200	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.76 U	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	580	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	2050 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	211	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.7 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	1700 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	22200	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	15.1 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT9		
Lab Sample ID:	M38930-12	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	62.5
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20543.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.98 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	424	6.7	4.1	ug/kg	
71-43-2	Benzene	ND	0.67	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.44	ug/kg	
75-25-2	Bromoform	ND	2.7	1.2	ug/kg	
74-83-9	Bromomethane	ND	2.7	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	23.4	6.7	3.5	ug/kg	B
75-15-0	Carbon disulfide	2.5	6.7	0.35	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	0.33	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.50	ug/kg	
75-00-3	Chloroethane	ND	6.7	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.59	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.33	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.54	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	0.33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.80	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.84	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	0.42	ug/kg	
591-78-6	2-Hexanone	ND	6.7	0.61	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.7	1.2	ug/kg	
75-09-2	Methylene chloride	ND	2.7	1.0	ug/kg	
100-42-5	Styrene	ND	6.7	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.77	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.89	ug/kg	
108-88-3	Toluene	ND	2.7	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.56	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.39	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.50	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT9		
Lab Sample ID:	M38930-12	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	62.5
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.7	0.75	ug/kg	
1330-20-7	Xylene (total)	ND	2.7		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		50-150%
2037-26-5	Toluene-D8	100%		65-126%
460-00-4	4-Bromofluorobenzene	112%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT9		
Lab Sample ID:	M38930-12	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
		Percent Solids:	62.5
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3720	26	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.18 B	0.77	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	7.3	0.64	0.46	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	33.5	26	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.54	0.51	0.060	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.065 U	0.51	0.065	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	751	640	2.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	7.8	1.3	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	3.8 B	6.4	0.098	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	5.8	3.2	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	13400	13	1.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	11.7	0.38	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1210	640	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	380	1.9	0.056	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.038 B	0.040	0.018	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	8.3	5.1	0.15	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	563 B	640	7.6	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.50 B	0.64	0.35	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.046 U	0.64	0.046	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	30.4 B	640	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.63 B	1.3	0.33	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	10.9	6.4	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	39.2	2.6	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-XD13		
Lab Sample ID:	M38930-13	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	54.6
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20555.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	6.34 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	336	7.2	4.4	ug/kg	
71-43-2	Benzene	ND	0.72	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.48	ug/kg	
75-25-2	Bromoform	ND	2.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	23.3	7.2	3.8	ug/kg	B
75-15-0	Carbon disulfide	2.8	7.2	0.38	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.9	0.36	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.54	ug/kg	
75-00-3	Chloroethane	ND	7.2	0.88	ug/kg	
67-66-3	Chloroform	ND	2.9	0.64	ug/kg	
74-87-3	Chloromethane	ND	7.2	0.36	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.9	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.91	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.63	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	2.9	0.46	ug/kg	
591-78-6	2-Hexanone	ND	7.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	7.2	1.3	ug/kg	
75-09-2	Methylene chloride	ND	2.9	1.1	ug/kg	
100-42-5	Styrene	ND	7.2	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.83	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.96	ug/kg	
108-88-3	Toluene	ND	2.9	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.61	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.43	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.54	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD13		
Lab Sample ID:	M38930-13	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	54.6
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.9	0.81	ug/kg	
1330-20-7	Xylene (total)	ND	2.9		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		50-150%
2037-26-5	Toluene-D8	98%		65-126%
460-00-4	4-Bromofluorobenzene	113%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-XD13		
Lab Sample ID:	M38930-13	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
		Percent Solids:	54.6
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4710	28	4.4	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.32 B	0.85	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	7.5	0.71	0.51	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	36.5	28	0.59	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.60	0.57	0.067	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.072 U	0.57	0.072	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	740	710	2.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.2	1.4	0.23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	4.6 B	7.1	0.11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	6.9	3.5	0.27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	15000	14	2.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	13.3	0.43	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1630	710	0.28	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	294	2.1	0.062	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.021 U	0.045	0.021	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	10.6	5.7	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	653 B	710	8.4	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.39 U	0.71	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.052 U	0.71	0.052	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	37.5 B	710	12	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.37 U	1.4	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.0	7.1	0.19	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	49.8	2.8	0.41	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37089.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19415.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0072	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0055	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0079	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0015	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0066	ug/l	
12789-03-6	Chlordane	ND	0.11	0.066	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0096	ug/l	
72-54-8	4,4'-DDD	ND	0.011	0.0074	ug/l	
72-55-9	4,4'-DDE	ND	0.011	0.0092	ug/l	
50-29-3	4,4'-DDT	ND	0.011	0.0068	ug/l	
72-20-8	Endrin	ND	0.011	0.0035	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0073	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0028	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0062	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0035	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0076	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0086	ug/l	
72-43-5	Methoxychlor	ND	0.011	0.0099	ug/l	
8001-35-2	Toxaphene	ND	0.56	0.083	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		30-122%
877-09-8	Tetrachloro-m-xylene	77%		30-122%
2051-24-3	Decachlorobiphenyl	77%		30-133%
2051-24-3	Decachlorobiphenyl	79%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-SEEP9
Lab Sample ID: M38930-14
Matrix: AQ - Ground Water
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/21/04
Date Received: 04/21/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	744	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	49.6 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	8890	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	10.7 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	2.2 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	20700	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	3.9	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	1680 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	5130	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	7.7 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	708 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	6630	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	4.7 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	46.8	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37092.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19416.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0072	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0055	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0079	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0015	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0066	ug/l	
12789-03-6	Chlordane	ND	0.11	0.066	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0096	ug/l	
72-54-8	4,4'-DDD	ND	0.011	0.0074	ug/l	
72-55-9	4,4'-DDE	ND	0.011	0.0092	ug/l	
50-29-3	4,4'-DDT	ND	0.011	0.0068	ug/l	
72-20-8	Endrin	ND	0.011	0.0035	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0073	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0028	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0062	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0035	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0076	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0086	ug/l	
72-43-5	Methoxychlor	ND	0.011	0.0099	ug/l	
8001-35-2	Toxaphene	ND	0.56	0.083	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	41%		30-122%
877-09-8	Tetrachloro-m-xylene	38%		30-122%
2051-24-3	Decachlorobiphenyl	44%		30-133%
2051-24-3	Decachlorobiphenyl	43%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	798	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	49.2 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	9220	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	10.9 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	2.0 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	20500	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	4.8	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	1730 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	5270	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	8.2 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	716 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	6730	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	4.6 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	57.4	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-QT2		
Lab Sample ID:	M38930-16	**Date Sampled:**	04/21/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20575.D	1	05/03/04	PN	n/a	n/a	MSH666
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.0	5.0	3.1	ug/kg	B
71-43-2	Benzene	ND	0.50	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.33	ug/kg	
75-25-2	Bromoform	ND	2.0	0.87	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/kg	
75-15-0	Carbon disulfide	1.3	5.0	0.26	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	0.25	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.44	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.25	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.32	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.89	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.75	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.66	ug/kg	
108-88-3	Toluene	ND	2.0	0.31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.30	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-QT2		
Lab Sample ID:	M38930-16	**Date Sampled:**	04/21/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.0		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	107%		62-129%

(a) Percent solids not analyzed due to sample matrix. Results reported on wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37093.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	250	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	41.6 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	35500	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	2.5 B	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	1.1 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	275	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	3590 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	19.4	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	3.3 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	6830	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	2960 B	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	7.9 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37122.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-122%
2037-26-5	Toluene-D8	95%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19417.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0065	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0071	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0059	ug/l	
12789-03-6	Chlordane	ND	0.10	0.059	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0087	ug/l	
72-54-8	4,4'-DDD [a]	0.036	0.010	0.0067	ug/l	
72-55-9	4,4'-DDE [a]	0.034	0.010	0.0083	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0062	ug/l	
72-20-8	Endrin	ND	0.010	0.0031	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0065	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0056	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0069	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0077	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0089	ug/l	
8001-35-2	Toxaphene	ND	0.50	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		30-122%
877-09-8	Tetrachloro-m-xylene	60%		30-122%
2051-24-3	Decachlorobiphenyl	73%		30-133%
2051-24-3	Decachlorobiphenyl	81%		30-133%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	27300	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	3.0 B	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	32.7	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	571	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	13.7	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	22.1	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	216000	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	46.8	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	482	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	113	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	90800	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	229	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	18100	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	1980	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	3.2	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	499	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	14600	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	16.2	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	17500	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	5.1 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	200	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	889	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37123.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.63	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19418.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0066	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0051	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0073	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane) [a]	0.055	0.010	0.0061	ug/l	
12789-03-6	Chlordane	ND	0.10	0.060	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0089	ug/l	
72-54-8	4,4'-DDD	ND	0.010	0.0068	ug/l	
72-55-9	4,4'-DDE	ND	0.010	0.0084	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0063	ug/l	
72-20-8	Endrin	ND	0.010	0.0032	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0067	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0057	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0032	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0070	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0079	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0091	ug/l	
8001-35-2	Toxaphene	ND	0.51	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		30-122%
877-09-8	Tetrachloro-m-xylene	72%		30-122%
2051-24-3	Decachlorobiphenyl	71%		30-133%
2051-24-3	Decachlorobiphenyl	75%		30-133%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2830	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	24.8	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	220	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.78 B	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	95500	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	6.0 B	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	11.4 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	7.7 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	181000	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	15.4	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	12300	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	10500	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.21	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	10.4 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	6540	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.9 B	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	11000	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	7.5 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	10.9 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	37.3	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37124.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19419.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0065	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0071	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0059	ug/l	
12789-03-6	Chlordane	ND	0.10	0.059	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0087	ug/l	
72-54-8	4,4'-DDD	ND	0.010	0.0067	ug/l	
72-55-9	4,4'-DDE	ND	0.010	0.0083	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0062	ug/l	
72-20-8	Endrin	ND	0.010	0.0031	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0065	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0056	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0069	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0077	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0089	ug/l	
8001-35-2	Toxaphene	ND	0.50	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		30-122%
877-09-8	Tetrachloro-m-xylene	67%		30-122%
2051-24-3	Decachlorobiphenyl	69%		30-133%
2051-24-3	Decachlorobiphenyl	71%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	295	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	583	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	62.4 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium [a]	1.0 U	8.0	1.0	ug/l	2	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	52400	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	6.8 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	4.0 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	294000	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	3.6	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	12700	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	2180	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	7.3 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	3180 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	13600	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	9.3 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	26.3	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20547.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	7.71 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	91.5	5.4	3.3	ug/kg	B
71-43-2	Benzene	ND	0.54	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.35	ug/kg	
75-25-2	Bromoform	ND	2.1	0.93	ug/kg	
74-83-9	Bromomethane	ND	2.1	0.36	ug/kg	
78-93-3	2-Butanone (MEK)	7.1	5.4	2.8	ug/kg	B
75-15-0	Carbon disulfide	18.8	5.4	0.28	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.27	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.65	ug/kg	
67-66-3	Chloroform	ND	2.1	0.47	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.27	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	0.29	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	0.26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	0.64	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.27	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	0.34	ug/kg	
591-78-6	2-Hexanone	ND	5.4	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.4	0.95	ug/kg	
75-09-2	Methylene chloride	ND	2.1	0.80	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.61	ug/kg	
127-18-4	Tetrachloroethene	1.4	2.1	0.71	ug/kg	J
108-88-3	Toluene	0.71	2.1	0.34	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.32	ug/kg	
79-01-6	Trichloroethene	1.2	2.1	0.40	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.1	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.1		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		50-150%
2037-26-5	Toluene-D8	100%		65-126%
460-00-4	4-Bromofluorobenzene	118%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3820	26	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.18 U	0.77	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	1.2	0.64	0.46	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	14.9 B	26	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.52	0.51	0.060	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.16 B	0.51	0.065	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	1380	640	2.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	7.3	1.3	0.21	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	14.2	6.4	0.098	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	5.4	3.2	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	5750	13	1.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	6.5	0.39	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1560	640	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	72.8	1.9	0.056	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.50	0.042	0.019	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	17.1	5.1	0.16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	759	640	7.6	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.35 U	0.64	0.35	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.047 U	0.64	0.047	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	29.7 B	640	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.33 U	1.3	0.33	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.8	6.4	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	26.1	2.6	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20548.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	8.82 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	357	8.4	5.1	ug/kg	
71-43-2	Benzene	ND	0.84	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	3.4	0.55	ug/kg	
75-25-2	Bromoform	ND	3.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	3.4	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	16.0	8.4	4.4	ug/kg	B
75-15-0	Carbon disulfide	6.3	8.4	0.44	ug/kg	J
56-23-5	Carbon tetrachloride	ND	3.4	0.41	ug/kg	
108-90-7	Chlorobenzene	ND	3.4	0.63	ug/kg	
75-00-3	Chloroethane	ND	8.4	1.0	ug/kg	
67-66-3	Chloroform	ND	3.4	0.74	ug/kg	
74-87-3	Chloromethane	ND	8.4	0.42	ug/kg	
124-48-1	Dibromochloromethane	ND	3.4	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.4	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.4	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.4	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.4	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.4	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.4	0.73	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.4	0.42	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.4	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	3.4	0.53	ug/kg	
591-78-6	2-Hexanone	ND	8.4	0.77	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	8.4	1.5	ug/kg	
75-09-2	Methylene chloride	ND	3.4	1.3	ug/kg	
100-42-5	Styrene	ND	8.4	0.19	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	1.4	3.4	0.96	ug/kg	J
127-18-4	Tetrachloroethene	ND	3.4	1.1	ug/kg	
108-88-3	Toluene	ND	3.4	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.4	0.71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.4	0.49	ug/kg	
79-01-6	Trichloroethene	ND	3.4	0.63	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	3.4	0.94	ug/kg	
1330-20-7	Xylene (total)	ND	3.4		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	106%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	2800	38	5.9	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.27 U	1.1	0.27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	15.2	0.94	0.67	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	59.9	38	0.79	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.69 B	0.75	0.089	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.095 U	0.75	0.095	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	4970	940	3.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	8.6	1.9	0.30	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	4.8 B	9.4	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	4.9	4.7	0.36	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	81400	19	2.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	12.6	0.57	0.26	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1050	940	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	3130	5.7	0.17	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.34	0.049	0.022	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	7.5	7.5	0.23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	316 B	940	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	2.6	0.94	0.52	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.068 U	0.94	0.068	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	90.4 B	940	16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.49 U	1.9	0.49	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	9.2 B	9.4	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	15.4	3.8	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT4		
Lab Sample ID:	M38930-23	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	14.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20549.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.16 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1510	34	21	ug/kg	
71-43-2	Benzene	ND	3.4	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	14	2.3	ug/kg	
75-25-2	Bromoform	ND	14	6.0	ug/kg	
74-83-9	Bromomethane	ND	14	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	74.9	34	18	ug/kg	
75-15-0	Carbon disulfide	7.5	34	1.8	ug/kg	J
56-23-5	Carbon tetrachloride	ND	14	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	14	2.6	ug/kg	
75-00-3	Chloroethane	ND	34	4.2	ug/kg	
67-66-3	Chloroform	ND	14	3.0	ug/kg	
74-87-3	Chloromethane	ND	34	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	14	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	14	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	14	1.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	14	6.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	14	4.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	14	4.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	14	3.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	14	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	14	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	14	2.2	ug/kg	
591-78-6	2-Hexanone	ND	34	3.1	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	34	6.1	ug/kg	
75-09-2	Methylene chloride	ND	14	5.1	ug/kg	
100-42-5	Styrene	ND	34	0.78	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	14	3.9	ug/kg	
127-18-4	Tetrachloroethene	ND	14	4.6	ug/kg	
108-88-3	Toluene	13.4	14	2.2	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	14	2.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	14	2.0	ug/kg	
79-01-6	Trichloroethene	ND	14	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT4		
Lab Sample ID:	M38930-23	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	14.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	14	3.9	ug/kg	
1330-20-7	Xylene (total)	ND	14		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		50-150%
2037-26-5	Toluene-D8	97%		65-126%
460-00-4	4-Bromofluorobenzene	126%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT4		
Lab Sample ID:	M38930-23	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	14.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	4440	56	8.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	1.1 B	1.7	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	101	1.4	1.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	34.7 B	56	1.2	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.92 B	1.1	0.13	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.61 B	1.1	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	19100	1400	5.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	10.6	2.8	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	37.5	14	0.21	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	15.9	7.0	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	33700	28	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	82.2	0.84	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	943 B	1400	0.55	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	41.1	4.2	0.12	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	2.7	0.14	0.065	mg/kg	2	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	76.1	11	0.34	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	447 B	1400	17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	3.3	1.4	0.77	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.10 U	1.4	0.10	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	79.4 B	1400	23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.72 U	2.8	0.72	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	40.0	14	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	19.5	5.6	0.80	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT5		
Lab Sample ID:	M38930-24	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	10.2
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20550.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.12 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1390	48	29	ug/kg	
71-43-2	Benzene	ND	4.8	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	19	3.2	ug/kg	
75-25-2	Bromoform	ND	19	8.3	ug/kg	
74-83-9	Bromomethane	ND	19	3.2	ug/kg	
78-93-3	2-Butanone (MEK)	88.9	48	25	ug/kg	
75-15-0	Carbon disulfide	1240	48	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	19	2.4	ug/kg	
108-90-7	Chlorobenzene	16.9	19	3.6	ug/kg	J
75-00-3	Chloroethane	ND	48	5.8	ug/kg	
67-66-3	Chloroform	ND	19	4.2	ug/kg	
74-87-3	Chloromethane	ND	48	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	19	3.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	19	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	19	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	19	8.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	19	5.7	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	19	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	19	4.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	19	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	19	3.1	ug/kg	
100-41-4	Ethylbenzene	ND	19	3.0	ug/kg	
591-78-6	2-Hexanone	ND	48	4.4	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	48	8.5	ug/kg	
75-09-2	Methylene chloride	ND	19	7.2	ug/kg	
100-42-5	Styrene	ND	48	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	19	5.5	ug/kg	
127-18-4	Tetrachloroethene	ND	19	6.4	ug/kg	
108-88-3	Toluene	ND	19	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	19	4.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	19	2.8	ug/kg	
79-01-6	Trichloroethene	ND	19	3.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT5		
Lab Sample ID:	M38930-24	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	10.2
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	19	5.4	ug/kg	
1330-20-7	Xylene (total)	ND	19		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		50-150%
2037-26-5	Toluene-D8	95%		65-126%
460-00-4	4-Bromofluorobenzene	108%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-LT5		
Lab Sample ID:	M38930-24	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	10.2
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8840	64	10	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.45 U	1.9	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	970	1.6	1.1	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	53.1 B	64	1.3	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	1.3	1.3	0.15	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.16 U	1.3	0.16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	11400	1600	6.3	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	18.9	3.2	0.51	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	76.9	16	0.24	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	17.8	8.0	0.62	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	198000	64	9.2	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	60.2	0.96	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	3090	1600	0.63	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	1310	4.8	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.21	0.092	0.042	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	41.9	13	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	684 B	1600	19	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	4.1	1.6	0.88	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver [a]	0.23 U	3.2	0.23	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	287 B	1600	27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.83 U	3.2	0.83	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	35.7	16	0.43	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	46.6	6.4	0.92	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SW8		
Lab Sample ID:	M38930-25	**Date Sampled:**	04/22/04
Matrix:	AQ - Surface Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37125.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW8		
Lab Sample ID:	M38930-25	**Date Sampled:**	04/22/04
Matrix:	AQ - Surface Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-1&3-24-SW8		
Lab Sample ID:	M38930-25	**Date Sampled:**	04/22/04
Matrix:	AQ - Surface Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	158 B	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	27.1 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	10600	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.76 U	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	726	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	2140 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	218	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.8 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	1780 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	24000	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	12.6 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-QT3		
Lab Sample ID:	M38930-26	**Date Sampled:**	04/22/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20588.D	1	05/04/04	PN	n/a	n/a	MSH667
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.8	5.0	3.1	ug/kg	B
71-43-2	Benzene	ND	0.50	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.33	ug/kg	
75-25-2	Bromoform	ND	2.0	0.87	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.26	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.25	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.44	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.25	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.32	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.89	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.75	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.66	ug/kg	
108-88-3	Toluene	ND	2.0	0.31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.30	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-QT3		
Lab Sample ID:	M38930-26	**Date Sampled:**	04/22/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.0		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	102%		62-129%

(a) Percent solids not analyzed due to sample matrix. Results reported on wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW212		
Lab Sample ID:	M38925-1	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3529.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	19.6	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW212		
Lab Sample ID:	M38925-1	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	32.3	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	4030	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	526	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW212		
Lab Sample ID:	M38925-1	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	100	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	33.2	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	0.82	0.10	mg/l	1	04/19/04 19:44	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/20/04 11:31	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/20/04 11:31	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:05	MA	EPA 354.1
Sulfate	13.9	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	1.5	1.0	mg/l	1	04/23/04 13:14	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW306		
Lab Sample ID:	M38925-2	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3530.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW306		
Lab Sample ID:	M38925-2	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.1 B	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	89.2 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	4.0	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW306		
Lab Sample ID:	M38925-2	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	8.1	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	8.1	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/19/04 19:42	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.18	0.11	mg/l	1	04/20/04 11:23	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.18	0.10	mg/l	1	04/20/04 11:23	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:05	MA	EPA 354.1
Sulfate	6.1	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 13:41	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-MNA-XD1		
Lab Sample ID:	M38925-3	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3534.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-MNA-XD1		
Lab Sample ID:	M38925-3	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	0.46 U	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	86.4 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	4.8	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-MNA-XD1		
Lab Sample ID:	M38925-3	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	9.1	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/19/04 19:46	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.19	0.11	mg/l	1	04/20/04 11:32	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.19	0.10	mg/l	1	04/20/04 11:32	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:05	MA	EPA 354.1
Sulfate	6.4	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 13:52	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW212		
Lab Sample ID:	M38925-4	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37041.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.4	2.0	0.40	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	7.2	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW212		
Lab Sample ID:	M38925-4	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW306		
Lab Sample ID:	M38925-5	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37045.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	0.57	2.0	0.32	ug/l	J
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	5.0	2.0	0.30	ug/l	B
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW306		
Lab Sample ID:	M38925-5	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336M		
Lab Sample ID:	M38925-6	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37046.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW336M		
Lab Sample ID:	M38925-6	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	100%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338C		
Lab Sample ID:	M38925-7	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3536.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected
MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338C		
Lab Sample ID:	M38925-7	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	5.0	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	746	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	20.8	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW338C		
Lab Sample ID:	M38925-7	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	26.3	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	3.0	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/19/04 19:48	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/20/04 11:33	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/20/04 11:33	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 14:00	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336D		
Lab Sample ID:	M38925-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37047.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW336D		
Lab Sample ID:	M38925-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW336S		
Lab Sample ID:	M38925-9	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37048.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW336S		
Lab Sample ID:	M38925-9	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338BM		
Lab Sample ID:	M38925-10	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37002.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338BM		
Lab Sample ID:	M38925-10	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW318		
Lab Sample ID:	M38925-11	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37049.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW318		
Lab Sample ID:	M38925-11	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW323		
Lab Sample ID:	M38925-12	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36997.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	2.1	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW323		
Lab Sample ID:	M38925-12	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW339		
Lab Sample ID:	M38925-13	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3539.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW339		
Lab Sample ID:	M38925-13	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	2.0 B	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	971	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	276	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW339		
Lab Sample ID:	M38925-13	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	45.5	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	6.5	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/19/04 19:49	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/20/04 11:34	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/20/04 11:34	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:05	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 14:09	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW308		
Lab Sample ID:	M38925-14	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36998.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.8	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW308		
Lab Sample ID:	M38925-14	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW303		
Lab Sample ID:	M38925-15	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36999.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW303		
Lab Sample ID:	M38925-15	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW1104		
Lab Sample ID:	M38925-16	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37050.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW1104		
Lab Sample ID:	M38925-16	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338BS		
Lab Sample ID:	M38925-17	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37003.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338BS		
Lab Sample ID:	M38925-17	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	BN-EP-24-MW338BD		
Lab Sample ID:	M38925-18	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37004.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338BD		
Lab Sample ID:	M38925-18	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW309B		
Lab Sample ID:	M38925-19	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37000.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW309B		
Lab Sample ID:	M38925-19	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-EW05A		
Lab Sample ID:	M38925-21	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37051.D	1	04/29/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	0.95	2.0	0.30	ug/l	JB
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	3.8	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	5.2	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.6	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	15.3	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	12.0	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-EW05A		
Lab Sample ID:	M38925-21	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-RAW INFLUENT		
Lab Sample ID:	M38925-22	**Date Sampled:**	04/19/04
Matrix:	AQ - Influent	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37052.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	0.60	2.0	0.30	ug/l	JB
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	6.5	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	13.4	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	20.1	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	2.4	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	65.4	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	36.6	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-RAW INFLUENT		
Lab Sample ID:	M38925-22	**Date Sampled:**	04/19/04
Matrix:	AQ - Influent	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW1104		
Lab Sample ID:	M38925-23	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3535.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW1104		
Lab Sample ID:	M38925-23	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.0 B	4.0	0.46	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Iron [a]	1170	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]
Manganese [a]	53.9	2.0	0.17	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [1]	SW846 3010A [2]

(1) Instrument QC Batch: N:MA13781
(2) Prep QC Batch: N:MP25701

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW1104		
Lab Sample ID:	M38925-23	**Date Sampled:**	04/18/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	23.2	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	18.1	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/19/04 19:50	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.32	0.11	mg/l	1	04/20/04 11:36	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.32	0.10	mg/l	1	04/20/04 11:36	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/20/04 09:08	MA	EPA 354.1
Sulfate	22.2	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 14:18	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD21		
Lab Sample ID:	M38925-24	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37001.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MWXD21		
Lab Sample ID:	M38925-24	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-24-EP-24-QT4		
Lab Sample ID:	M38925-25	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37053.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.3	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-EP-24-QT4		
Lab Sample ID:	M38925-25	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MNA-XD2		
Lab Sample ID:	M38925-26	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3540.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MNA-XD2		
Lab Sample ID:	M38925-26	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	1.0 B	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	73.7 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	3.2	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MNA-XD2		
Lab Sample ID:	M38925-26	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	14.1	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	17.1	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:49	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:10	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:10	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:08	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	1.0	1.0	mg/l	1	04/23/04 14:46	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW332		
Lab Sample ID:	M38925-27	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3541.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW332		
Lab Sample ID:	M38925-27	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	0.46 B	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	64.3 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	3.0	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW332		
Lab Sample ID:	M38925-27	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	12.1	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	17.6	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:46	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:11	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:11	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:08	MA	EPA 354.1
Sulfate	5.9	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	1.3	1.0	mg/l	1	04/23/04 14:54	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW207AR		
Lab Sample ID:	M38925-28	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3542.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	16.1	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW207AR		
Lab Sample ID:	M38925-28	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	7.9	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	6460	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	235	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW207AR		
Lab Sample ID:	M38925-28	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	67.7	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	15.6	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:52	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:15	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:15	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:08	MA	EPA 354.1
Sulfate	7.6	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:02	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW207ARM		
Lab Sample ID:	M38925-29	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37054.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.64	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.3	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	21.1	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	7.9	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	16.1	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW207ARM		
Lab Sample ID:	M38925-29	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW207ARD		
Lab Sample ID:	M38925-30	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37055.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.45	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	23.3	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	9.2	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	1.4	2.0	0.82	ug/l	J
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	14.8	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW207ARD		
Lab Sample ID:	M38925-30	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	100%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW332		
Lab Sample ID:	M38925-31	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37056.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	1.2	2.0	0.32	ug/l	J
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	9.5	2.0	0.30	ug/l	B
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	3.0	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	2.5	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	5.2	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.1	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.2	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	38.3	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	15.7	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW332		
Lab Sample ID:	M38925-31	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD19		
Lab Sample ID:	M38925-32	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37057.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	18.7	2.0	0.30	ug/l	B
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	2.8	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	2.5	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	4.5	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.2	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.0	2.0	0.23	ug/l	J
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	37.4	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	13.2	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD19		
Lab Sample ID:	M38925-32	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW311M		
Lab Sample ID:	M38925-33	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37058.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.5	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	10.2	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	0.45	2.0	0.45	ug/l	J
75-35-4	1,1-Dichloroethene	19.7	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.6	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	6.1	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	40.6	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	36.6	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW311M		
Lab Sample ID:	M38925-33	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	100%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW311D		
Lab Sample ID:	M38925-34	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37059.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.2	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	10.2	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	19.8	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	4.3	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	6.8	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	41.2	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	36.8	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW311D		
Lab Sample ID:	M38925-34	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-EW02A		
Lab Sample ID:	M38925-35	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37060.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	17.9	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	36.1	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	68.9	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.2	2.0	0.54	ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	5.9	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	239	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	104	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-EW02A		
Lab Sample ID:	M38925-35	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-122%
2037-26-5	Toluene-D8	92%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW330		
Lab Sample ID:	M38925-36	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37061.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.1	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW330		
Lab Sample ID:	M38925-36	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW319		
Lab Sample ID:	M38925-37	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37062.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	2.4	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.1	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.8	2.0	0.40	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	29.2	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	5.0	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW319		
Lab Sample ID:	M38925-37	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	100%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW330		
Lab Sample ID:	M38925-38	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3547.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW330		
Lab Sample ID:	M38925-38	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	1.8 B	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	3090	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	258	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW330		
Lab Sample ID:	M38925-38	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	31.3	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	6.5	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:53	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:16	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:16	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:08	MA	EPA 354.1
Sulfate	10.5	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:11	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-P111		
Lab Sample ID:	M38925-39	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37063.D	1	04/30/04	PB	n/a	n/a	MSG1459
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P111		
Lab Sample ID:	M38925-39	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P111		
Lab Sample ID:	M38925-39	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3548.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P111		
Lab Sample ID:	M38925-39	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.1 B	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	994	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	67.6	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-P111		
Lab Sample ID:	M38925-39	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	35.4	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	5.0	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	1.0	0.10	mg/l	1	04/21/04 06:54	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:17	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:17	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:08	MA	EPA 354.1
Sulfate	12.2	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:20	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-230A		
Lab Sample ID:	M38925-40	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37083.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.48	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	6.6	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-230A		
Lab Sample ID:	M38925-40	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD23		
Lab Sample ID:	M38925-41	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37084.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	0.52	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	6.5	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-XD23		
Lab Sample ID:	M38925-41	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-318		
Lab Sample ID:	M38925-42	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3549.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-318		
Lab Sample ID:	M38925-42	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.5	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	762	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	92.4	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW-318		
Lab Sample ID:	M38925-42	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	25.3	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	4.5	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:54	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.11	0.11	mg/l	1	04/23/04 13:18	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.11	0.10	mg/l	1	04/23/04 13:18	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:10	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:28	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW-315A		
Lab Sample ID:	M38925-43	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3550.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	11.6	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-315A		
Lab Sample ID:	M38925-43	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Arsenic [a]	4.8	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	2410	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	325	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW-315A		
Lab Sample ID:	M38925-43	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	43.4	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	11.6	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:55	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:20	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:20	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:10	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:36	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW-231A		
Lab Sample ID:	M38925-44	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37085.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-231A		
Lab Sample ID:	M38925-44	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW-231B		
Lab Sample ID:	M38925-45	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37086.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-231B		
Lab Sample ID:	M38925-45	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	100%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-303		
Lab Sample ID:	M38925-46	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3551.D	1	04/27/04	AF	n/a	n/a	GBA175
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	141	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW-303		
Lab Sample ID:	M38925-46	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	32.6	4.0	0.46	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	1790	100	13	ug/l	2	04/30/04	05/04/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	126	2.0	0.17	ug/l	2	04/30/04	05/01/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13788
(3) Prep QC Batch: N:MP25702

(a) Analysis performed at Accutest Laboratories, Dayton, NJ. MA CERT NJ141.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW-303		
Lab Sample ID:	M38925-46	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	128	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	3.5	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/21/04 06:55	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/23/04 13:21	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/23/04 13:21	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/21/04 07:10	MA	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 15:45	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-QT5		
Lab Sample ID:	M38925-47	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37087.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	0.56	2.0	0.30	ug/l	J
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT5		
Lab Sample ID:	M38925-47	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW10		
Lab Sample ID:	M38804-1	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36759.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW10		
Lab Sample ID:	M38804-1	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW11		
Lab Sample ID:	M38804-2	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36760.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW11		
Lab Sample ID:	M38804-2	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SW12		
Lab Sample ID:	M38804-3	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36761.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.8	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW12		
Lab Sample ID:	M38804-3	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SW13		
Lab Sample ID:	M38804-4	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36762.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.7	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW13		
Lab Sample ID:	M38804-4	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SW14		
Lab Sample ID:	M38804-5	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36763.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.3	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW14		
Lab Sample ID:	M38804-5	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	BN-EP-24-SW-XD16		
Lab Sample ID:	M38804-6	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36764.D	1	04/21/04	PB	n/a	n/a	MSG1446
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SW-XD16		
Lab Sample ID:	M38804-6	**Date Sampled:**	04/08/04
Matrix:	AQ - Surface Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SED11		
Lab Sample ID:	M38804-7	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
Method:	SW846 8081 SW846 3545	**Percent Solids:**	56.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF38566F.D	1	04/27/04	NM	04/16/04	OP7036	GEF1955
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	12	1.5	ug/kg	
319-84-6	alpha-BHC	ND	12	1.2	ug/kg	
319-85-7	beta-BHC	ND	12	1.6	ug/kg	
319-86-8	delta-BHC	ND	12	0.55	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	12	1.4	ug/kg	
12789-03-6	Chlordane	ND	120	20	ug/kg	
60-57-1	Dieldrin	ND	12	2.1	ug/kg	
72-54-8	4,4'-DDD [a]	12.0	12	2.4	ug/kg	
72-55-9	4,4'-DDE	ND	12	2.0	ug/kg	
50-29-3	4,4'-DDT [a]	8.8	12	2.7	ug/kg	J
72-20-8	Endrin	ND	12	3.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	12	2.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	12	6.2	ug/kg	
959-98-8	Endosulfan-I	ND	12	2.6	ug/kg	
33213-65-9	Endosulfan-II	ND	12	2.6	ug/kg	
76-44-8	Heptachlor	ND	12	1.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	12	1.9	ug/kg	
72-43-5	Methoxychlor [a]	ND	12	4.3	ug/kg	
8001-35-2	Toxaphene	ND	590	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		30-133%
877-09-8	Tetrachloro-m-xylene	75%		30-133%
2051-24-3	Decachlorobiphenyl	96%		43-148%
2051-24-3	Decachlorobiphenyl	79%		43-148%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SED11		
Lab Sample ID:	M38804-7	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
		Percent Solids:	56.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5600	33	5.1	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Antimony	0.23 U	0.99	0.23	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Arsenic	8.3	0.83	0.59	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Barium	37.5	33	0.69	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Beryllium	0.65 B	0.66	0.078	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Cadmium	0.19 B	0.66	0.083	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Calcium	755 B	830	3.3	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Chromium	9.9	1.7	0.26	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Cobalt	4.3 B	8.3	0.13	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Copper	7.0	4.1	0.32	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Iron	20700	17	2.4	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Lead	17.8	0.50	0.23	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Magnesium	1790	830	0.33	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Manganese	279	2.5	0.073	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.043	0.025	0.011	mg/kg	1	04/23/04	04/23/04	SK	SW846 7471A [2]	SW846 7471A [4]
Nickel	8.7	6.6	0.20	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Potassium	597 B	830	9.8	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Selenium	0.90	0.83	0.45	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Silver	0.060 U	0.83	0.060	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Sodium	38.8 B	830	14	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Thallium	0.43 U	1.7	0.43	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Vanadium	16.3	8.3	0.22	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Zinc	43.4	3.3	0.47	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA4620
(2) Instrument QC Batch: MA4622
(3) Prep QC Batch: MP5443
(4) Prep QC Batch: MP5473

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-SED11		
Lab Sample ID:	M38804-7	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
		Percent Solids:	56.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
1.5 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
0.75 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
0.375 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
No.4 Sieve (4.75 mm) [a]	99.9		%	1	05/07/04	ANJ	ASTM D422-63
No.8 Sieve (2.36 mm) [a]	99.9		%	1	05/07/04	ANJ	ASTM D422-63
No.10 Sieve (2.00 mm) [a]	99.8		%	1	05/07/04	ANJ	ASTM D422-63
No.16 Sieve (1.18 mm) [a]	99.5		%	1	05/07/04	ANJ	ASTM D422-63
No.30 Sieve (0.60 mm) [a]	97.8		%	1	05/07/04	ANJ	ASTM D422-63
No.50 Sieve (0.30 mm) [a]	81.7		%	1	05/07/04	ANJ	ASTM D422-63
No.100 Sieve (0.15 mm) [a]	41.6		%	1	05/07/04	ANJ	ASTM D422-63
No.200 Sieve (0.075 mm) [a]	21.8		%	1	05/07/04	ANJ	ASTM D422-63
0.030 mm (Hydrometer) [a]	13.5		%	1	05/07/04	ANJ	ASTM D422-63
0.005 mm (Hydrometer) [a]	5.0		%	1	05/07/04	ANJ	ASTM D422-63
0.0015 mm (Hydrometer) [a]	4.5		%	1	05/07/04	ANJ	ASTM D422-63
% Gravel [a]	0.060		%	1	05/07/04	ANJ	ASTM D422-63
% Sand [a]	78.2		%	1	05/07/04	ANJ	ASTM D422-63
% Silt, Clay, Colloids [a]	21.8		%	1	05/07/04	ANJ	ASTM D422-63
Solids, Percent	56.1		%	1	04/15/04	SK	EPA 160.3 M
Total Organic Carbon	22700	1800	mg/kg	1	04/22/04	SK	CORP ENG 81 M

(a) Analysis performed at Accutest Laboratories.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-SED-XD17		
Lab Sample ID:	M38804-8	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
Method:	SW846 8081 SW846 3545	**Percent Solids:**	52.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF38566G.D	1	04/27/04	NM	04/16/04	OP7036	GEF1955
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	13	1.7	ug/kg	
319-84-6	alpha-BHC	ND	13	1.3	ug/kg	
319-85-7	beta-BHC	ND	13	1.7	ug/kg	
319-86-8	delta-BHC	ND	13	0.59	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	13	1.6	ug/kg	
12789-03-6	Chlordane	ND	130	22	ug/kg	
60-57-1	Dieldrin	ND	13	2.3	ug/kg	
72-54-8	4,4'-DDD [a]	8.9	13	2.6	ug/kg	J
72-55-9	4,4'-DDE	ND	13	2.2	ug/kg	
50-29-3	4,4'-DDT [a]	4.3	13	3.0	ug/kg	J
72-20-8	Endrin	ND	13	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	13	2.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	13	6.7	ug/kg	
959-98-8	Endosulfan-I	ND	13	2.8	ug/kg	
33213-65-9	Endosulfan-II	ND	13	2.8	ug/kg	
76-44-8	Heptachlor	ND	13	1.7	ug/kg	
1024-57-3	Heptachlor epoxide	ND	13	2.0	ug/kg	
72-43-5	Methoxychlor [a]	ND	13	4.6	ug/kg	
8001-35-2	Toxaphene	ND	630	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		30-133%
877-09-8	Tetrachloro-m-xylene	72%		30-133%
2051-24-3	Decachlorobiphenyl	92%		43-148%
2051-24-3	Decachlorobiphenyl	85%		43-148%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SED-XD17		
Lab Sample ID:	M38804-8	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
		Percent Solids:	52.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6430	36	5.5	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Antimony	0.25 U	1.1	0.25	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Arsenic	10.3	0.89	0.63	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Barium	44.8	36	0.74	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Beryllium	0.74	0.71	0.084	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Cadmium	0.35 B	0.71	0.090	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Calcium	1110	890	3.5	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Chromium	11.5	1.8	0.28	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Cobalt	6.4 B	8.9	0.14	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Copper	8.7	4.4	0.34	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Iron	25300	18	2.5	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Lead	25.4	0.53	0.25	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Magnesium	2050	890	0.35	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Manganese	509	2.7	0.078	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.037	0.027	0.012	mg/kg	1	04/23/04	04/23/04	SK	SW846 7471A [2]	SW846 7471A [4]
Nickel	10.4	7.1	0.22	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Potassium	650 B	890	11	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Selenium	1.4	0.89	0.49	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Silver	0.065 U	0.89	0.065	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Sodium	57.7 B	890	15	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Thallium [a]	0.92 U	3.6	0.92	mg/kg	2	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Vanadium	19.6	8.9	0.24	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]
Zinc	58.2	3.6	0.51	mg/kg	1	04/15/04	04/23/04	LMN	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA4620
(2) Instrument QC Batch: MA4622
(3) Prep QC Batch: MP5443
(4) Prep QC Batch: MP5473

(a) Elevated detection limit due to dilution required for matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-SED-XD17		
Lab Sample ID:	M38804-8	**Date Sampled:**	04/08/04
Matrix:	SO - Sediment	**Date Received:**	04/13/04
		Percent Solids:	52.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
1.5 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
0.75 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
0.375 Inch Sieve [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
No.4 Sieve (4.75 mm) [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
No.8 Sieve (2.36 mm) [a]	100		%	1	05/07/04	ANJ	ASTM D422-63
No.10 Sieve (2.00 mm) [a]	99.9		%	1	05/07/04	ANJ	ASTM D422-63
No.16 Sieve (1.18 mm) [a]	99.8		%	1	05/07/04	ANJ	ASTM D422-63
No.30 Sieve (0.60 mm) [a]	98.0		%	1	05/07/04	ANJ	ASTM D422-63
No.50 Sieve (0.30 mm) [a]	78.5		%	1	05/07/04	ANJ	ASTM D422-63
No.100 Sieve (0.15 mm) [a]	38.9		%	1	05/07/04	ANJ	ASTM D422-63
No.200 Sieve (0.075 mm) [a]	20.2		%	1	05/07/04	ANJ	ASTM D422-63
0.030 mm (Hydrometer) [a]	10.0		%	1	05/07/04	ANJ	ASTM D422-63
0.005 mm (Hydrometer) [a]	6.0		%	1	05/07/04	ANJ	ASTM D422-63
0.0015 mm (Hydrometer) [a]	4.5		%	1	05/07/04	ANJ	ASTM D422-63
% Gravel [a]	0.020		%	1	05/07/04	ANJ	ASTM D422-63
% Sand [a]	79.8		%	1	05/07/04	ANJ	ASTM D422-63
% Silt, Clay, Colloids [a]	20.2		%	1	05/07/04	ANJ	ASTM D422-63
Solids, Percent	52.1		%	1	04/15/04	SK	EPA 160.3 M
Total Organic Carbon	21600	1900	mg/kg	1	04/22/04	SK	CORP ENG 81 M

(a) Analysis performed at Accutest Laboratories, Dayton.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP10		
Lab Sample ID:	M38804-9	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36765.D	1	04/21/04	PB	n/a	n/a	MSG1445
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP10		
Lab Sample ID:	M38804-9	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	96%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP11		
Lab Sample ID:	M38804-10	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36766.D	1	04/21/04	PB	n/a	n/a	MSG1445
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.4	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.2	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.1	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	11.9	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	7.1	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	10.9	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP11		
Lab Sample ID:	M38804-10	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP-XD15		
Lab Sample ID:	M38804-11	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36767.D	1	04/22/04	PB	n/a	n/a	MSG1445
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-SEEP-XD15		
Lab Sample ID:	M38804-11	**Date Sampled:**	04/08/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36876.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	6.8	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	0.62	2.0	0.45	ug/l	J
75-35-4	1,1-Dichloroethene	6.6	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3496.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	9.5	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	1460	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	187	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	67.7	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	19.6	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/14/04	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/14/04 11:40	OP	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/14/04 11:37	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/14/04 11:40	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 12:12	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW333		
Lab Sample ID:	M38804-12A	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17632.D	1	04/26/04	SC	n/a	n/a	MSI495
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	47.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	111%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36877.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	2.5	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	1.6	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3497.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	47.2	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	10.2	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	2720	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	136	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	85.9	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	22.7	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	0.10	0.10	mg/l	1	04/14/04	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/14/04 11:40	OP	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/14/04 11:38	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/14/04 11:40	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 12:21	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW313		
Lab Sample ID:	M38804-13A	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17633.D	1	04/26/04	SC	n/a	n/a	MSI495
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	84.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	128%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT1		
Lab Sample ID:	M38804-14	**Date Sampled:**	04/13/04
Matrix:	AQ - Ground Water	**Date Received:**	04/13/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17631.D	1	04/26/04	SC	n/a	n/a	MSI495
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	107%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-15	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17634.D	1	04/26/04	SC	n/a	n/a	MSI495
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	9.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	81%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-15	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3498.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-15	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.2 B	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	45.1 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	3.4	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-15	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	35.4	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	70.5	5.0	mg/l	5	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/15/04 18:35	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.83	0.11	mg/l	1	04/20/04 11:22	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.83	0.10	mg/l	1	04/20/04 11:22	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/16/04 10:59	OP	EPA 354.1
Sulfate	11.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 12:04	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36878.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2	G36898.D	5	04/26/04	PB	n/a	n/a	MSG1452

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	0.42	2.0	0.30	ug/l	J
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	25.3	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	0.90	2.0	0.45	ug/l	J
75-35-4	1,1-Dichloroethene	126	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	15.3	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	8.7	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	540 [a]	10	4.1	ug/l	
79-00-5	1,1,2-Trichloroethane	0.84	2.0	0.38	ug/l	J
79-01-6	Trichloroethene	334	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	106%	83-122%
2037-26-5	Toluene-D8	97%	98%	87-111%
460-00-4	4-Bromofluorobenzene	104%	105%	81-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3506.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	1.2 B	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	54.2 B	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	2.2	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	55.6	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	9.1	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/15/04 18:38	MA	SM18 3500FED
Nitrogen, Nitrate [a]	0.38	0.11	mg/l	1	04/20/04 11:27	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	0.38	0.10	mg/l	1	04/20/04 11:27	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/16/04 10:59	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 12:29	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-P106		
Lab Sample ID:	M38804-16A	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17637.D	1	04/26/04	SC	n/a	n/a	MSI496
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	42.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	64%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW305		
Lab Sample ID:	M38804-17	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3507.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW305		
Lab Sample ID:	M38804-17	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	5.1	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	1480	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	46.6	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW305		
Lab Sample ID:	M38804-17	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	60.6	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	4.5	1.0	mg/l	1	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/15/04 18:40	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/20/04 11:28	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/20/04 11:28	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/16/04 10:59	OP	EPA 354.1
Sulfate	7.4	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	<1.0	1.0	mg/l	1	04/23/04 12:56	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-XD1		
Lab Sample ID:	M38804-18	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17635.D	1	04/26/04	SC	n/a	n/a	MSI496
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	7.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	66%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW305		
Lab Sample ID:	M38804-19	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36879.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW305		
Lab Sample ID:	M38804-19	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-20	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36880.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2	G36899.D	5	04/26/04	PB	n/a	n/a	MSG1452

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	42.4	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	58.9	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	247	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	7.4	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	442 [a]	10	4.1	ug/l	
79-00-5	1,1,2-Trichloroethane	0.48	2.0	0.38	ug/l	J
79-01-6	Trichloroethene	226	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW331		
Lab Sample ID:	M38804-20	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	107%	83-122%
2037-26-5	Toluene-D8	97%	97%	87-111%
460-00-4	4-Bromofluorobenzene	103%	102%	81-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-P132		
Lab Sample ID:	M38804-21	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36873.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-P132		
Lab Sample ID:	M38804-21	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-XD22		
Lab Sample ID:	M38804-22	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36881.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-XD22		
Lab Sample ID:	M38804-22	**Date Sampled:**	04/14/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-TPE		
Lab Sample ID:	M38804-23	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36900.D	1	04/26/04	PB	n/a	n/a	MSG1452
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-TPE		
Lab Sample ID:	M38804-23	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-TPE		
Lab Sample ID:	M38804-23A	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17638.D	1	04/26/04	SC	n/a	n/a	MSI496
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	10.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	91%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-TPE-XD14		
Lab Sample ID:	M38804-24	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36882.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-TPE-XD14		
Lab Sample ID:	M38804-24	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36883.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GBA3509.D	1	04/26/04	AF	n/a	n/a	GBA173
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	175	10	0.066	ug/l	
74-84-0	Ethane	ND	10	0.056	ug/l	
74-85-1	Ethene	ND	10	0.075	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	44.7	4.0	0.46	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]
Iron [a]	2440	100	13	ug/l	2	04/30/04	05/03/04	ANJ	SW846 6020 [2]	SW846 3010A [3]
Manganese [a]	77.9	2.0	0.17	ug/l	2	04/30/04	04/30/04	ANJ	SW846 6020 [1]	SW846 3010A [3]

(1) Instrument QC Batch: N:MA13773
(2) Instrument QC Batch: N:MA13781
(3) Prep QC Batch: N:MP25700

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result > = IDL but < RL

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	328	5.0	mg/l	1	04/22/04	BF	EPA 310.1
Chloride	131	10	mg/l	10	04/23/04	OP	EPA 325.3
Iron, Ferrous	<0.10	0.10	mg/l	1	04/15/04 18:41	MA	SM18 3500FED
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	04/20/04 11:29	MA	EPA 353.2
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	04/20/04 11:29	MA	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	04/16/04 10:59	OP	EPA 354.1
Sulfate	<5.0	5.0	mg/l	1	04/22/04	BF	EPA 375.4
Total Organic Carbon	2.0	1.0	mg/l	1	04/23/04 13:06	MA	EPA 415.1

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BN-EP-24-MW338A		
Lab Sample ID:	M38804-25A	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17639.D	1	04/26/04	SC	n/a	n/a	MSI496
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	1.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	87%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT3		
Lab Sample ID:	M38804-26	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I17636.D	1	04/26/04	SC	n/a	n/a	MSI496
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	1.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	77%		60-140%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AS		
Lab Sample ID:	M38804-27	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36884.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AS		
Lab Sample ID:	M38804-27	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AM		
Lab Sample ID:	M38804-28	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36885.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AM		
Lab Sample ID:	M38804-28	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AD		
Lab Sample ID:	M38804-29	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36886.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338AD		
Lab Sample ID:	M38804-29	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	BN-EP-24-MW339S		
Lab Sample ID:	M38804-30	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36887.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW339S		
Lab Sample ID:	M38804-30	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW339M		
Lab Sample ID:	M38804-31	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36888.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW339M		
Lab Sample ID:	M38804-31	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW339D		
Lab Sample ID:	M38804-32	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36889.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW339D		
Lab Sample ID:	M38804-32	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CS		
Lab Sample ID:	M38804-33	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36890.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CS		
Lab Sample ID:	M38804-33	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CM		
Lab Sample ID:	M38804-34	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36891.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CM		
Lab Sample ID:	M38804-34	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CD		
Lab Sample ID:	M38804-35	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36892.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW338CD		
Lab Sample ID:	M38804-35	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	101%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AS		
Lab Sample ID:	M38804-36	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/16/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36903.D	1	04/26/04	PB	n/a	n/a	MSG1452
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AS		
Lab Sample ID:	M38804-36	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/16/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AM		
Lab Sample ID:	M38804-37	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36893.D	1	04/25/04	DRY	n/a	n/a	MSG1451
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AM		
Lab Sample ID:	M38804-37	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AD		
Lab Sample ID:	M38804-38	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36904.D	1	04/26/04	PB	n/a	n/a	MSG1452
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-MW315AD		
Lab Sample ID:	M38804-38	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	102%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	BN-EP-24-QT2		
Lab Sample ID:	M38804-39	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G36905.D	1	04/26/04	PB	n/a	n/a	MSG1452
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-EP-24-QT2		
Lab Sample ID:	M38804-39	**Date Sampled:**	04/15/04
Matrix:	AQ - Ground Water	**Date Received:**	04/15/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37005.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW204		
Lab Sample ID:	M38930-1	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	65.7 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	2.4 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	4.2 U	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	3020 B	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	3.0 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	19.4 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	950 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	2.5 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	2.2 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	307 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	4050 B	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	11.0 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37006.D	1	04/28/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW240		
Lab Sample ID:	M38930-2	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	3050	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 B	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	14.2 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	18700	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	18.5	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	1.5 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	10.6 B	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	807	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	3470 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	24.5	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	15.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2350 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	7910	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.5 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	5.4 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-XD10		
Lab Sample ID:	M38930-3	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37007.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-XD10		
Lab Sample ID:	M38930-3	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-24-1&3-24-XD10
Lab Sample ID: M38930-3
Matrix: AQ - Ground Water
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/16/04
Date Received: 04/19/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	73.3 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	19.8 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	48500	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	5.5 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	34.1 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8720	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	8.3 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	7.9 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2670 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	11400	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.4 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	9.3 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37008.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW219		
Lab Sample ID:	M38930-4	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1180	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.5 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	8.3 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	11100	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	10.1	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	1.3 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	1790	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	4010 B	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	28.3	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	7.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	1210 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	6670	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.2 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	2.8 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	12.1 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37009.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.49	2.0	0.40	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW203		
Lab Sample ID:	M38930-5	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	67.7 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	3.0 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	19.8 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	47900	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	3.3 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.76 U	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	32.8 B	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8700	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	8.0 B	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	8.3 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	2680 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	11300	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	7.3 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW218		
Lab Sample ID:	M38930-6	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37012.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW218		
Lab Sample ID:	M38930-6	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	98%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-24-1&3-24-MW218
Lab Sample ID: M38930-6
Matrix: AQ - Ground Water
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/16/04
Date Received: 04/19/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	309	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	1.7 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	129	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	4.2 U	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	14600	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	14.8	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	0.93 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	2320	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	8770	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	458	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	14.2 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	7960	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	210000	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	3.6 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	21.9	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37013.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	1.0	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	6.0	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	1.3	2.0	0.23	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	6.8	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	1.4	2.0	0.38	ug/l	J
79-01-6	Trichloroethene	0.87	2.0	0.38	ug/l	J
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW202A		
Lab Sample ID:	M38930-7	**Date Sampled:**	04/16/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	91.9 B	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Antimony	2.1 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Arsenic	3.8 B	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Barium	41.9 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Calcium	145000	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Chromium	1.7 B	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Cobalt	2.5 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Copper	1.9 U	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Iron	4810	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Lead	1.4 U	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Magnesium	12800	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Manganese	634	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [4]
Nickel	8.9 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Potassium	12400	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Sodium	14800	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Thallium	4.9 B	10	2.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Vanadium	1.3 U	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]
Zinc	15.0 B	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Prep QC Batch: MP5466
(4) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-QT1		
Lab Sample ID:	M38930-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37014.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.0	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-QT1		
Lab Sample ID:	M38930-8	**Date Sampled:**	04/19/04
Matrix:	AQ - Ground Water	**Date Received:**	04/19/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-24-1&3-24-MW217B
Lab Sample ID: M38930-9
Matrix: AQ - Ground Water
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/20/04
Date Received: 04/20/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3370	200	31	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	3.1 B	6.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	70.9	5.0	3.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	104 B	200	4.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.73 B	4.0	0.47	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	3.0 B	4.0	0.50	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	55600	5000	20	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	11.8	10	1.6	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	11.0 B	50	0.76	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	17.8 B	25	1.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	173000	100	14	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	5.0	3.0	1.4	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	18600	5000	2.0	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	1410	15	0.44	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [5]
Nickel	18.8 B	40	1.2	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	4870 B	5000	59	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	146000	5000	84	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/22/04	04/30/04	LMN	SW846 6010B [3]	SW846 3010A [4]
Vanadium	20.4 B	50	1.3	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	755	20	2.9	ug/l	1	04/22/04	04/29/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4645
(3) Instrument QC Batch: MA4650
(4) Prep QC Batch: MP5466
(5) Prep QC Batch: MP5478

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW217B		
Lab Sample ID:	M38930-10	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37015.D	1	04/29/04	PB	n/a	n/a	MSG1457
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	0.64	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	2.3	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	17.3	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	21.6	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-24-1&3-24-MW217B		
Lab Sample ID:	M38930-10	**Date Sampled:**	04/20/04
Matrix:	AQ - Ground Water	**Date Received:**	04/20/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	3.7	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	103%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37088.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		83-122%
2037-26-5	Toluene-D8	99%		87-111%
460-00-4	4-Bromofluorobenzene	107%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW09		
Lab Sample ID:	M38930-11	**Date Sampled:**	04/21/04
Matrix:	AQ - Surface Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	127 B	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	25.3 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	10200	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.76 U	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	580	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	2050 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	211	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.7 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	1700 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	22200	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	15.1 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT9		
Lab Sample ID:	M38930-12	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	62.5
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20543.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.98 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	424	6.7	4.1	ug/kg	
71-43-2	Benzene	ND	0.67	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.44	ug/kg	
75-25-2	Bromoform	ND	2.7	1.2	ug/kg	
74-83-9	Bromomethane	ND	2.7	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	23.4	6.7	3.5	ug/kg	B
75-15-0	Carbon disulfide	2.5	6.7	0.35	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	0.33	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.50	ug/kg	
75-00-3	Chloroethane	ND	6.7	0.81	ug/kg	
67-66-3	Chloroform	ND	2.7	0.59	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.33	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.54	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.74	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.7	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.7	0.33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.7	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.7	0.80	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.7	0.84	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.7	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	2.7	0.42	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	6.7	0.61	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.7	1.2	ug/kg	
75-09-2	Methylene chloride	ND	2.7	1.0	ug/kg	
100-42-5	Styrene	ND	6.7	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.77	ug/kg	
127-18-4	Tetrachloroethene	ND	2.7	0.89	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT9		
Lab Sample ID:	M38930-12	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	62.5
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.7	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.56	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.39	ug/kg	
79-01-6	Trichloroethene	ND	2.7	0.50	ug/kg	
75-01-4	Vinyl chloride	ND	2.7	0.75	ug/kg	
1330-20-7	Xylene (total)	ND	2.7		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		50-150%
2037-26-5	Toluene-D8	100%		65-126%
460-00-4	4-Bromofluorobenzene	112%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-LT9
Lab Sample ID: M38930-12
Matrix: SO - Sediment
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/21/04
Date Received: 04/21/04
Percent Solids: 62.5

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3720	26	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.18 B	0.77	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	7.3	0.64	0.46	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	33.5	26	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.54	0.51	0.060	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.065 U	0.51	0.065	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	751	640	2.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	7.8	1.3	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	3.8 B	6.4	0.098	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	5.8	3.2	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	13400	13	1.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	11.7	0.38	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1210	640	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	380	1.9	0.056	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.038 B	0.040	0.018	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	8.3	5.1	0.15	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	563 B	640	7.6	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.50 B	0.64	0.35	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.046 U	0.64	0.046	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	30.4 B	640	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.63 B	1.3	0.33	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	10.9	6.4	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	39.2	2.6	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-XD13		
Lab Sample ID:	M38930-13	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	54.6
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20555.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	6.34 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	336	7.2	4.4	ug/kg	
71-43-2	Benzene	ND	0.72	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.48	ug/kg	
75-25-2	Bromoform	ND	2.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	2.9	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	23.3	7.2	3.8	ug/kg	B
75-15-0	Carbon disulfide	2.8	7.2	0.38	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.9	0.36	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.54	ug/kg	
75-00-3	Chloroethane	ND	7.2	0.88	ug/kg	
67-66-3	Chloroform	ND	2.9	0.64	ug/kg	
74-87-3	Chloromethane	ND	7.2	0.36	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.58	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.9	0.38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.9	0.60	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.9	0.79	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.9	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	0.91	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.63	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	2.9	0.46	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.2	1.1	ug/kg	
591-78-6	2-Hexanone	ND	7.2	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	7.2	1.3	ug/kg	
75-09-2	Methylene chloride	ND	2.9	1.1	ug/kg	
100-42-5	Styrene	ND	7.2	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.83	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.96	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD13		
Lab Sample ID:	M38930-13	**Date Sampled:**	04/21/04
Matrix:	SO - Sediment	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	54.6
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.9	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.61	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.43	ug/kg	
79-01-6	Trichloroethene	ND	2.9	0.54	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.81	ug/kg	
1330-20-7	Xylene (total)	ND	2.9		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		50-150%
2037-26-5	Toluene-D8	98%		65-126%
460-00-4	4-Bromofluorobenzene	113%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-XD13
Lab Sample ID: M38930-13
Matrix: SO - Sediment
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/21/04
Date Received: 04/21/04
Percent Solids: 54.6

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4710	28	4.4	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.32 B	0.85	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	7.5	0.71	0.51	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	36.5	28	0.59	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.60	0.57	0.067	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.072 U	0.57	0.072	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	740	710	2.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.2	1.4	0.23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	4.6 B	7.1	0.11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	6.9	3.5	0.27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	15000	14	2.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	13.3	0.43	0.20	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1630	710	0.28	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	294	2.1	0.062	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.021 U	0.045	0.021	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	10.6	5.7	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	653 B	710	8.4	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.39 U	0.71	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.052 U	0.71	0.052	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	37.5 B	710	12	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.37 U	1.4	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.0	7.1	0.19	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	49.8	2.8	0.41	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37089.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19415.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0072	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0055	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0079	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0015	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0066	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0051	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0056	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0096	ug/l	
72-54-8	4,4'-DDD	ND	0.011	0.0074	ug/l	
72-55-9	4,4'-DDE	ND	0.011	0.0092	ug/l	
50-29-3	4,4'-DDT	ND	0.011	0.0068	ug/l	
72-20-8	Endrin	ND	0.011	0.0035	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0073	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0028	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0062	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0035	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0076	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0086	ug/l	
72-43-5	Methoxychlor	ND	0.011	0.0099	ug/l	
8001-35-2	Toxaphene	ND	0.56	0.083	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		30-122%
877-09-8	Tetrachloro-m-xylene	77%		30-122%
2051-24-3	Decachlorobiphenyl	77%		30-133%
2051-24-3	Decachlorobiphenyl	79%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP9		
Lab Sample ID:	M38930-14	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	744	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	49.6 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	8890	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	10.7 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	2.2 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	20700	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	3.9	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	1680 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	5130	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	7.7 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	708 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	6630	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	4.7 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	46.8	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37092.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19416.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0072	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0055	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0079	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0015	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0066	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0051	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0056	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0096	ug/l	
72-54-8	4,4'-DDD	ND	0.011	0.0074	ug/l	
72-55-9	4,4'-DDE	ND	0.011	0.0092	ug/l	
50-29-3	4,4'-DDT	ND	0.011	0.0068	ug/l	
72-20-8	Endrin	ND	0.011	0.0035	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0073	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0028	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.010	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0062	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0035	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0076	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0086	ug/l	
72-43-5	Methoxychlor	ND	0.011	0.0099	ug/l	
8001-35-2	Toxaphene	ND	0.56	0.083	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	41%		30-122%
877-09-8	Tetrachloro-m-xylene	38%		30-122%
2051-24-3	Decachlorobiphenyl	44%		30-133%
2051-24-3	Decachlorobiphenyl	43%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-XD11		
Lab Sample ID:	M38930-15	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	798	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	49.2 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	9220	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	10.9 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	2.0 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	20500	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	4.8	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	1730 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	5270	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	8.2 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	716 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	6730	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	4.6 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	57.4	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-QT2		
Lab Sample ID:	M38930-16	**Date Sampled:**	04/21/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20575.D	1	05/03/04	PN	n/a	n/a	MSH666
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.0	5.0	3.1	ug/kg	B
71-43-2	Benzene	ND	0.50	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.33	ug/kg	
75-25-2	Bromoform	ND	2.0	0.87	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/kg	
75-15-0	Carbon disulfide	1.3	5.0	0.26	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	0.25	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.44	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.25	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.32	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	0.79	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.89	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.75	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.66	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-QT2		
Lab Sample ID:	M38930-16	**Date Sampled:**	04/21/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.0	0.31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.30	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.0		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	107%		62-129%

(a) Percent solids not analyzed due to sample matrix. Results reported on wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37093.D	1	04/30/04	PB	n/a	n/a	MSG1461
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	105%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-MW2101		
Lab Sample ID:	M38930-17	**Date Sampled:**	04/21/04
Matrix:	AQ - Ground Water	**Date Received:**	04/21/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	250	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	41.6 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	35500	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	2.5 B	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	1.1 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	275	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	3590 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	19.4	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	3.3 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	6830	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	2960 B	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	7.9 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37122.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-122%
2037-26-5	Toluene-D8	95%		87-111%
460-00-4	4-Bromofluorobenzene	106%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19417.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0065	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0071	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0059	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0046	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0087	ug/l	
72-54-8	4,4'-DDD [a]	0.036	0.010	0.0067	ug/l	
72-55-9	4,4'-DDE [a]	0.034	0.010	0.0083	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0062	ug/l	
72-20-8	Endrin	ND	0.010	0.0031	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0065	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0092	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0056	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0069	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0077	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0089	ug/l	
8001-35-2	Toxaphene	ND	0.50	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		30-122%
877-09-8	Tetrachloro-m-xylene	60%		30-122%
2051-24-3	Decachlorobiphenyl	73%		30-133%
2051-24-3	Decachlorobiphenyl	81%		30-133%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP1		
Lab Sample ID:	M38930-18	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	27300	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	3.0 B	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	32.7	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	571	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	13.7	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	22.1	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	216000	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	46.8	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	482	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	113	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	90800	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	229	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	18100	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	1980	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	3.2	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	499	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	14600	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	16.2	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	17500	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	5.1 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	200	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	889	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37123.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	0.63	2.0	0.35	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		83-122%
2037-26-5	Toluene-D8	93%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19418.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0066	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0051	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0073	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane) [a]	0.055	0.010	0.0061	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0051	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0089	ug/l	
72-54-8	4,4'-DDD	ND	0.010	0.0068	ug/l	
72-55-9	4,4'-DDE	ND	0.010	0.0084	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0063	ug/l	
72-20-8	Endrin	ND	0.010	0.0032	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0067	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0093	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0057	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0032	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0070	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0079	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0091	ug/l	
8001-35-2	Toxaphene	ND	0.51	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		30-122%
877-09-8	Tetrachloro-m-xylene	72%		30-122%
2051-24-3	Decachlorobiphenyl	71%		30-133%
2051-24-3	Decachlorobiphenyl	75%		30-133%

(a) Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP3		
Lab Sample ID:	M38930-19	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2830	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	24.8	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	220	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.78 B	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	95500	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	6.0 B	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	11.4 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	7.7 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	181000	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	15.4	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	12300	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	10500	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.21	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	10.4 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	6540	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.9 B	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	11000	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	7.5 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	10.9 B	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	37.3	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37124.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	1.2	2.0	0.24	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	4.3	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
Method:	SW846 8081 SW846 3510C	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ19419.D	1	05/01/04	CZ	04/27/04	OP7079	GYZ794
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0065	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0050	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0071	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0014	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0059	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0046	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0050	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0087	ug/l	
72-54-8	4,4'-DDD	ND	0.010	0.0067	ug/l	
72-55-9	4,4'-DDE	ND	0.010	0.0083	ug/l	
50-29-3	4,4'-DDT	ND	0.010	0.0062	ug/l	
72-20-8	Endrin	ND	0.010	0.0031	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0065	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0026	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0092	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0056	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0069	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0077	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0089	ug/l	
8001-35-2	Toxaphene	ND	0.50	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		30-122%
877-09-8	Tetrachloro-m-xylene	67%		30-122%
2051-24-3	Decachlorobiphenyl	69%		30-133%
2051-24-3	Decachlorobiphenyl	71%		30-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SEEP5		
Lab Sample ID:	M38930-20	**Date Sampled:**	04/22/04
Matrix:	AQ - Ground Water	**Date Received:**	04/23/04
		Percent Solids:	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	295	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	583	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	62.4 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium [a]	1.0 U	8.0	1.0	ug/l	2	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	52400	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	6.8 B	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	4.0 B	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	294000	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	3.6	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	12700	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	2180	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	7.3 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	3180 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	13600	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	9.3 B	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	26.3	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20547.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	7.71 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	91.5	5.4	3.3	ug/kg	B
71-43-2	Benzene	ND	0.54	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.35	ug/kg	
75-25-2	Bromoform	ND	2.1	0.93	ug/kg	
74-83-9	Bromomethane	ND	2.1	0.36	ug/kg	
78-93-3	2-Butanone (MEK)	7.1	5.4	2.8	ug/kg	B
75-15-0	Carbon disulfide	18.8	5.4	0.28	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.27	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.65	ug/kg	
67-66-3	Chloroform	ND	2.1	0.47	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.27	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.59	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	0.29	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	0.26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.1	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.1	0.64	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.27	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	2.1	0.34	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	0.85	ug/kg	
591-78-6	2-Hexanone	ND	5.4	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.4	0.95	ug/kg	
75-09-2	Methylene chloride	ND	2.1	0.80	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.61	ug/kg	
127-18-4	Tetrachloroethene	1.4	2.1	0.71	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.71	2.1	0.34	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.32	ug/kg	
79-01-6	Trichloroethene	1.2	2.1	0.40	ug/kg	J
75-01-4	Vinyl chloride	ND	2.1	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.1		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		50-150%
2037-26-5	Toluene-D8	100%		65-126%
460-00-4	4-Bromofluorobenzene	118%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT1		
Lab Sample ID:	M38930-21	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	60.4
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3820	26	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.18 U	0.77	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	1.2	0.64	0.46	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	14.9 B	26	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.52	0.51	0.060	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.16 B	0.51	0.065	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	1380	640	2.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	7.3	1.3	0.21	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	14.2	6.4	0.098	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	5.4	3.2	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	5750	13	1.8	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	6.5	0.39	0.18	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1560	640	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	72.8	1.9	0.056	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.50	0.042	0.019	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	17.1	5.1	0.16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	759	640	7.6	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	0.35 U	0.64	0.35	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.047 U	0.64	0.047	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	29.7 B	640	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.33 U	1.3	0.33	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.8	6.4	0.17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	26.1	2.6	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20548.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	8.82 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	357	8.4	5.1	ug/kg	
71-43-2	Benzene	ND	0.84	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	3.4	0.55	ug/kg	
75-25-2	Bromoform	ND	3.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	3.4	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	16.0	8.4	4.4	ug/kg	B
75-15-0	Carbon disulfide	6.3	8.4	0.44	ug/kg	J
56-23-5	Carbon tetrachloride	ND	3.4	0.41	ug/kg	
108-90-7	Chlorobenzene	ND	3.4	0.63	ug/kg	
75-00-3	Chloroethane	ND	8.4	1.0	ug/kg	
67-66-3	Chloroform	ND	3.4	0.74	ug/kg	
74-87-3	Chloromethane	ND	8.4	0.42	ug/kg	
124-48-1	Dibromochloromethane	ND	3.4	0.68	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3.4	0.44	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3.4	0.70	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3.4	0.92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3.4	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3.4	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3.4	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3.4	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3.4	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.4	0.73	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.4	0.42	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.4	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	3.4	0.53	ug/kg	
87-68-3	Hexachlorobutadiene	ND	8.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	8.4	0.77	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	8.4	1.5	ug/kg	
75-09-2	Methylene chloride	ND	3.4	1.3	ug/kg	
100-42-5	Styrene	ND	8.4	0.19	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	1.4	3.4	0.96	ug/kg	J
127-18-4	Tetrachloroethene	ND	3.4	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	3.4	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.4	0.71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.4	0.49	ug/kg	
79-01-6	Trichloroethene	ND	3.4	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	3.4	0.94	ug/kg	
1330-20-7	Xylene (total)	ND	3.4		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	106%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT3		
Lab Sample ID:	M38930-22	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
		Percent Solids:	33.8
Project:	Brunswick Naval Air Station, Brunswick, ME		

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	2800	38	5.9	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.27 U	1.1	0.27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	15.2	0.94	0.67	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	59.9	38	0.79	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.69 B	0.75	0.089	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.095 U	0.75	0.095	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	4970	940	3.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	8.6	1.9	0.30	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	4.8 B	9.4	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	4.9	4.7	0.36	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	81400	19	2.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	12.6	0.57	0.26	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1050	940	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	3130	5.7	0.17	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.34	0.049	0.022	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	7.5	7.5	0.23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	316 B	940	11	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	2.6	0.94	0.52	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.068 U	0.94	0.068	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	90.4 B	940	16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.49 U	1.9	0.49	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	9.2 B	9.4	0.25	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	15.4	3.8	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT4		
Lab Sample ID:	M38930-23	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	14.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20549.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.16 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1510	34	21	ug/kg	
71-43-2	Benzene	ND	3.4	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	14	2.3	ug/kg	
75-25-2	Bromoform	ND	14	6.0	ug/kg	
74-83-9	Bromomethane	ND	14	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	74.9	34	18	ug/kg	
75-15-0	Carbon disulfide	7.5	34	1.8	ug/kg	J
56-23-5	Carbon tetrachloride	ND	14	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	14	2.6	ug/kg	
75-00-3	Chloroethane	ND	34	4.2	ug/kg	
67-66-3	Chloroform	ND	14	3.0	ug/kg	
74-87-3	Chloromethane	ND	34	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	14	2.8	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	14	1.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	14	2.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	13.6	14	3.8	ug/kg	J
75-34-3	1,1-Dichloroethane	ND	14	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	14	1.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	14	6.4	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	14	4.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	14	4.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	14	3.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	14	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	14	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	14	2.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	5.4	ug/kg	
591-78-6	2-Hexanone	ND	34	3.1	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	34	6.1	ug/kg	
75-09-2	Methylene chloride	ND	14	5.1	ug/kg	
100-42-5	Styrene	ND	34	0.78	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	14	3.9	ug/kg	
127-18-4	Tetrachloroethene	ND	14	4.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT4		
Lab Sample ID:	M38930-23	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	14.1
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	13.4	14	2.2	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	14	2.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	14	2.0	ug/kg	
79-01-6	Trichloroethene	ND	14	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	14	3.9	ug/kg	
1330-20-7	Xylene (total)	ND	14		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		50-150%
2037-26-5	Toluene-D8	97%		65-126%
460-00-4	4-Bromofluorobenzene	126%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-LT4
Lab Sample ID: M38930-23
Matrix: SO - Sediment
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/22/04
Date Received: 04/23/04
Percent Solids: 14.1

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4440	56	8.7	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	1.1 B	1.7	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	101	1.4	1.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	34.7 B	56	1.2	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.92 B	1.1	0.13	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.61 B	1.1	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	19100	1400	5.5	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	10.6	2.8	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	37.5	14	0.21	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	15.9	7.0	0.54	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	33700	28	4.0	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	82.2	0.84	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	943 B	1400	0.55	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	41.1	4.2	0.12	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	2.7	0.14	0.065	mg/kg	2	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	76.1	11	0.34	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	447 B	1400	17	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	3.3	1.4	0.77	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver	0.10 U	1.4	0.10	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	79.4 B	1400	23	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.72 U	2.8	0.72	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	40.0	14	0.37	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	19.5	5.6	0.80	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-LT5		
Lab Sample ID:	M38930-24	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	10.2
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20550.D	1	04/30/04	PN	n/a	n/a	MSH665
Run #2							

	Initial Weight
Run #1	5.12 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1390	48	29	ug/kg	
71-43-2	Benzene	ND	4.8	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	19	3.2	ug/kg	
75-25-2	Bromoform	ND	19	8.3	ug/kg	
74-83-9	Bromomethane	ND	19	3.2	ug/kg	
78-93-3	2-Butanone (MEK)	88.9	48	25	ug/kg	
75-15-0	Carbon disulfide	1240	48	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	19	2.4	ug/kg	
108-90-7	Chlorobenzene	16.9	19	3.6	ug/kg	J
75-00-3	Chloroethane	ND	48	5.8	ug/kg	
67-66-3	Chloroform	ND	19	4.2	ug/kg	
74-87-3	Chloromethane	ND	48	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	19	3.9	ug/kg	
95-50-1	1,2-Dichlorobenzene	380	19	2.5	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	19	4.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	650	19	5.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	19	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	19	2.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	19	8.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	19	5.7	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	19	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	19	4.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	19	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	19	3.1	ug/kg	
100-41-4	Ethylbenzene	ND	19	3.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	48	7.6	ug/kg	
591-78-6	2-Hexanone	ND	48	4.4	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	48	8.5	ug/kg	
75-09-2	Methylene chloride	ND	19	7.2	ug/kg	
100-42-5	Styrene	ND	48	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	19	5.5	ug/kg	
127-18-4	Tetrachloroethene	ND	19	6.4	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-LT5		
Lab Sample ID:	M38930-24	**Date Sampled:**	04/22/04
Matrix:	SO - Sediment	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	10.2
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	19	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	19	4.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	19	2.8	ug/kg	
79-01-6	Trichloroethene	ND	19	3.6	ug/kg	
75-01-4	Vinyl chloride	ND	19	5.4	ug/kg	
1330-20-7	Xylene (total)	ND	19		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		50-150%
2037-26-5	Toluene-D8	95%		65-126%
460-00-4	4-Bromofluorobenzene	108%		62-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-LT5
Lab Sample ID: M38930-24
Matrix: SO - Sediment
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/22/04
Date Received: 04/23/04
Percent Solids: 10.2

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8840	64	10	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Antimony	0.45 U	1.9	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Arsenic	970	1.6	1.1	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Barium	53.1 B	64	1.3	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Beryllium	1.3	1.3	0.15	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.16 U	1.3	0.16	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Calcium	11400	1600	6.3	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Chromium	18.9	3.2	0.51	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Cobalt	76.9	16	0.24	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Copper	17.8	8.0	0.62	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Iron	198000	64	9.2	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Lead	60.2	0.96	0.45	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Magnesium	3090	1600	0.63	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Manganese	1310	4.8	0.14	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.21	0.092	0.042	mg/kg	1	04/29/04	04/29/04	SK	SW846 7471A [1]	SW846 7471A [4]
Nickel	41.9	13	0.39	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Potassium	684 B	1600	19	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Selenium	4.1	1.6	0.88	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Silver [a]	0.23 U	3.2	0.23	mg/kg	2	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Sodium	287 B	1600	27	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Thallium	0.83 U	3.2	0.83	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Vanadium	35.7	16	0.43	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]
Zinc	46.6	6.4	0.92	mg/kg	1	04/28/04	05/01/04	LMN	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA4644
(2) Instrument QC Batch: MA4651
(3) Prep QC Batch: MP5496
(4) Prep QC Batch: MP5501

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-SW8		
Lab Sample ID:	M38930-25	**Date Sampled:**	04/22/04
Matrix:	AQ - Surface Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G37125.D	1	05/02/04	DRY	n/a	n/a	MSG1462
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.9	ug/l	
71-43-2	Benzene	ND	0.50	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.32	ug/l	
75-25-2	Bromoform	ND	2.0	0.35	ug/l	
74-83-9	Bromomethane	ND	2.0	0.57	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.4	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.32	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.46	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/l	
75-00-3	Chloroethane	ND	5.0	0.40	ug/l	
67-66-3	Chloroform	ND	2.0	0.30	ug/l	
74-87-3	Chloromethane	ND	5.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.30	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.24	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.45	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.78	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.49	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.27	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.46	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.94	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.0	1.7	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.64	ug/l	
100-42-5	Styrene	ND	5.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.63	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-SW8		
Lab Sample ID:	M38930-25	**Date Sampled:**	04/22/04
Matrix:	AQ - Surface Water	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.34	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.82	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.38	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	1.0		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		83-122%
2037-26-5	Toluene-D8	97%		87-111%
460-00-4	4-Bromofluorobenzene	104%		81-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BN-1&3-24-SW8
Lab Sample ID: M38930-25
Matrix: AQ - Surface Water
Project: Brunswick Naval Air Station, Brunswick, ME

Date Sampled: 04/22/04
Date Received: 04/23/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	158 B	200	31	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Antimony	1.4 U	6.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Arsenic	3.6 U	5.0	3.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Barium	27.1 B	200	4.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Beryllium	0.47 U	4.0	0.47	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cadmium	0.50 U	4.0	0.50	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Calcium	10600	5000	20	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 U	10	1.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Cobalt	0.76 U	50	0.76	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Copper	1.9 U	25	1.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Iron	726	100	14	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Lead	1.4 U	3.0	1.4	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Magnesium	2140 B	5000	2.0	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Manganese	218	15	0.44	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.092 U	0.20	0.092	ug/l	1	04/26/04	04/26/04	SK	SW846 7470A [1]	SW846 7470A [3]
Nickel	1.8 B	40	1.2	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Potassium	1780 B	5000	59	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Selenium	2.7 U	5.0	2.7	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Silver	0.36 U	5.0	0.36	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Sodium	24000	5000	84	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Thallium	2.6 U	10	2.6	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Vanadium	1.3 U	50	1.3	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]
Zinc	12.6 B	20	2.9	ug/l	1	04/26/04	04/30/04	LMN	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA4626
(2) Instrument QC Batch: MA4650
(3) Prep QC Batch: MP5478
(4) Prep QC Batch: MP5482

RL = Reporting Limit
IDL = Instrument Detection Limit

U = Indicates a result < IDL
B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID:	BN-1&3-24-QT3		
Lab Sample ID:	M38930-26	**Date Sampled:**	04/22/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H20588.D	1	05/04/04	PN	n/a	n/a	MSH667
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.8	5.0	3.1	ug/kg	B
71-43-2	Benzene	ND	0.50	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.33	ug/kg	
75-25-2	Bromoform	ND	2.0	0.87	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.26	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.25	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.61	ug/kg	
67-66-3	Chloroform	ND	2.0	0.44	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.25	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.26	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.32	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	0.79	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK	ND	5.0	0.89	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.75	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.66	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BN-1&3-24-QT3		
Lab Sample ID:	M38930-26	**Date Sampled:**	04/22/04
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/23/04
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	Brunswick Naval Air Station, Brunswick, ME		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	2.0	0.31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.30	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.38	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.0		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		50-150%
2037-26-5	Toluene-D8	99%		65-126%
460-00-4	4-Bromofluorobenzene	102%		62-129%

(a) Percent solids not analyzed due to sample matrix. Results reported on wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound